



The **Luminous (or Light) Reflectance Value (LRV)** is a measure of visible light that is reflected from a surface when illuminated by a light source. The measurement is most commonly used by design professionals to determine the **Luminance Contrast** between building materials.



LRV values are particularly useful in making provisions to assist the community particularly those with visual impairment by highlighting certain surfaces or interfaces, surface changes or features to contrast with their surroundings. In general, this is important in the design of a wide range of non-residential buildings and public spaces.



This information is intended to be used as a guide. Dry (Y_d) and wet (Y_w) reflectance data is tabulated below. The data was obtained from measurements on small, laboratory manufactured concrete samples of our standard range of Colourmix colours.

AS1428.1-2009 Appendix B The Measurement of Luminance Contrast Between Building Elements	Luminous Reflectance of the Building Element			
	ROUGH BRUSHED SURFACE		SMOOTH OFF-FORM SURFACE	
	Dry value	Wet value	Dry value	Wet value
Colour Name	Y_d	Y_w	Y_d	Y_w
Colourmix Arctic	49.89	31.88	47.34	31.42
Colourmix Arizona	26.51	13.93	27.22	12.99
Colourmix Atlantic	28.29	11.70	20.87	7.90
Colourmix Aztec	24.18	11.29	20.78	10.00
Colourmix Black	15.09	6.27	12.13	5.37
Colourmix Black Knight	16.39	6.94	17.37	6.02
Colourmix Black Velvet	10.92	5.67	11.01	4.68
Colourmix Bluestone	17.05	7.01	16.64	6.16
Colourmix Cappuccino	24.22	12.40	25.34	12.21
Colourmix Cargo	34.64	18.14	35.71	18.38
Colourmix Charcoal	13.42	6.56	15.19	5.85
Colourmix Colonial Red	20.74	11.28	18.25	10.18
Colourmix Desert Red	15.44	9.66	15.82	9.47
Colourmix Dolomite	44.10	25.18	45.19	27.16
Colourmix Emperor	13.64	6.02	11.25	4.84
Colourmix Everglade	34.29	15.01	28.01	12.43
Colourmix Flint	24.66	10.26	23.03	9.27
Colourmix Fremantle	40.49	21.49	38.68	20.30
Colourmix Frost	48.47	27.62	45.32	27.12
Colourmix Ginger	21.79	11.01	21.69	10.34
Colourmix Havana	13.53	6.72	11.41	5.82
Colourmix Horizon	36.28	17.26	31.54	16.28
Colourmix Jabiru	14.21	6.73	12.44	6.24
Colourmix Jet Black	9.76	5.60	11.03	5.49
Colourmix Leaf Green	33.39	15.18	27.57	13.32
Colourmix Limestone	42.55	24.81	41.89	24.35
Colourmix Mangrove	23.95	11.61	26.62	12.24
Colourmix Marl	21.10	11.11	21.49	10.59
Colourmix Ninja	17.47	7.18	16.08	6.77
Colourmix Onyx	19.53	7.52	14.41	5.95
Colourmix Papyrus	30.91	14.31	27.73	11.49
Colourmix Peppercorn	23.04	9.58	18.29	7.81
Colourmix Platinum	27.22	11.79	23.13	9.97
Colourmix Pumice	34.22	15.02	32.82	13.22
Colourmix Pumpkin	26.96	14.08	27.25	13.98
Colourmix Ravine	22.53	9.43	19.69	8.15
Colourmix Red Rock	12.93	7.51	14.57	7.34
Colourmix Sandstone	33.76	17.57	32.34	17.04
Colourmix Sepia	31.15	10.00	20.82	9.82
Colourmix Shadow	20.84	8.28	22.64	7.52
Colourmix Shogun	11.85	6.14	13.01	5.67
Colourmix Silk	47.43	30.98	47.37	33.82
Colourmix Silver	36.61	17.18	29.41	14.12
Colourmix Soapstone	35.05	19.15	36.62	19.57
Colourmix Spice	25.14	13.59	23.29	12.62
Colourmix Suede	31.61	16.15	30.64	15.91
Colourmix Taupe	22.50	10.68	21.04	9.25
Colourmix Terracotta	24.01	13.77	22.27	12.95
Colourmix Turmeric	36.33	18.32	35.92	18.22
Colourmix Venetian	20.15	9.05	15.34	7.45
Colourmix Vesuvius	21.94	12.42	18.83	11.15
Unpigmented Grey Cement	35.89	15.77	32.64	18.75
Unpigmented Off-White Cement	57.94	39.65	51.59	38.12