



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.

Colour Name	Luminous Reflectance of the Building Element	
	Dry readings. D65, 2° Observer, Konica Minolta CR400, typical concrete biscuit samples, average of 5 readings per sample	Wet readings. D65, 2° Observer, Konica Minolta CR400, typical concrete biscuit samples, average of 5 readings per sample
	Y_d	Y_w
Colourmix Arctic	48.10	30.85
Colourmix Arizona	24.09	12.19
Colourmix Aztec	18.55	8.73
Colourmix Black	10.05	4.71
Colourmix Black Velvet	8.95	4.24
Colourmix Bluestone	13.88	5.32
Colourmix Bronze	15.59	6.78
Colourmix Cappuccino	25.37	11.05
Colourmix Cargo	38.20	18.93
Colourmix Caribbean Blue	25.71	10.27
Colourmix Charcoal	12.93	5.29
Colourmix Colonial Red	16.95	9.45
Colourmix Desert Red	13.11	8.48
Colourmix Dolomite	46.82	28.54
Colourmix Everglade	24.74	12.04
Colourmix Flint	21.59	8.65
Colourmix Fremantle	44.80	23.53
Colourmix Frost	43.41	24.45
Colourmix Ginger	19.28	9.66
Colourmix Havana	11.73	5.02
Colourmix Horizon	25.86	14.03
Colourmix Jabiru	8.43	4.99
Colourmix Jet Black	8.43	4.51
Colourmix Leaf Green	26.11	12.45
Colourmix Limestone	40.74	25.89
Colourmix Mangrove	23.40	10.35
Colourmix Marl	20.61	9.24
Colourmix Monsoon	27.03	9.67
Colourmix Onyx	13.72	5.55
Colourmix Papyrus	27.13	11.51
Colourmix Peppercorn	20.94	7.00
Colourmix Platinum	21.52	10.21
Colourmix Pumice	28.46	13.10
Colourmix Pumpkin	23.84	11.96
Colourmix Ravine	14.51	6.55
Colourmix Red Rock	11.02	6.56
Colourmix Sandstone	35.28	15.02
Colourmix Sepia	18.83	8.42
Colourmix Shadow	17.82	7.24
Colourmix Silk	46.13	30.84
Colourmix Silver	37.12	20.45
Colourmix Soapstone	34.98	19.76
Colourmix Spice	23.50	12.48
Colourmix Suede	32.42	14.75
Colourmix Taupe	22.55	9.23
Colourmix Terracotta	22.49	13.23
Colourmix Turmeric	30.78	16.45
Colourmix Venetian	12.15	7.69
Colourmix Vesuvius	18.37	10.30
Unpigmented Grey Cement	39.96	14.48
Unpigmented Off-White Cement	53.07	33.46