

Converting Colors

XYZ(57.9749, 68.3478, 77.1908)

Have a look what the booklet for
XYZ(57.9749, 68.3478, 77.1908)
contains.

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Color

**XYZ(58.0715, 68.4299,
77.1654)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E1DB
RGB	178, 225, 219
RGB Percent	70%, 88%, 86%
CMY	0.3020, 0.1176, 0.1412
CMYK	0.21, 0.00, 0.03, 0.12
HSL	172°, 44%, 79%
HSV	172°, 21%, 88%
XYZ	58.0715, 68.4299, 77.1654
YIQ	210.2630, -26.0860, -11.8300

Conversions

Conversions Part 2

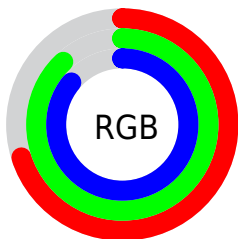
Format	Color
RYB	178, 203, 225
Decimal	11723227
CIELab	86.22, -16.34, -2.07
CIELCh	86, 16.466, 187.224
Yxy	68.4299, 0.2851, 0.3360
Android (android.graphics.Color)	4289913307 (0xFFB2E1DB)
YUV	210.2630, 4.3073, -28.2947
Hunter-Lab	82.7224, -19.4563, 2.5985

Details

The XYZ color **58.0715, 68.4299, 77.1654** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6259, 51.3109, 52.3225**, and the grayscale version is **61.4178, 64.6163, 70.3671**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **29.3877, 35.7149, 40.4667** is the 20% darker color. If you saturate the color by 10%, you get **52.9518, 65.8357, 74.9691**, and if you desaturate by 10%, it is **64.0485, 71.4689, 79.4388**.

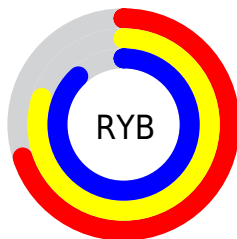
Distribution



Red (70%)

Green (88%)

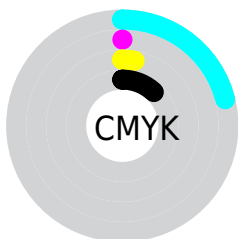
Blue (86%)



Red (70%)

Yellow (80%)

Blue (88%)

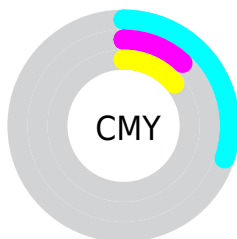


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (12%)



Cyan (30%)

Magenta (12%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0715, 68.4299, 77.1654 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.0715, 68.4299, 77.1654 by changing the saturation by 10% instead.

■ 58.0715, 68.4299,
77.1654

■ 58.0715, 68.4299,
77.1654

407.4019,
455.0177, 504.7804

■ 42.1096, 50.2476,
56.8763

■ 101.1493,
116.9669, 131.1481

■ 29.3786, 35.6101,
40.4972

128.9960,
148.0904, 165.6787

■ 19.5131, 24.1333,
27.6097

161.5350,
184.2964, 205.7936

■ 12.1478, 15.4325,
17.7952

199.1316,
225.9693, 251.9112

■ 6.9174, 9.1235,
10.6351

242.1513,
273.4935, 304.4502

■ 3.4563, 4.8218,
5.7110

290.9593,

■ 1.3994, 2.1431,

327.2533, 363.8290

2.6042

345.9210,
387.6333, 430.4662

■ 0.2558, 0.6887,
0.8946

■ 0.0000, 0.0000,
0.0000

■ 58.0715, 68.4299,
77.1654

■ 58.0715, 68.4299,
77.1654

■ 52.9518, 65.8357,
74.9691

■ 64.0485, 71.4689,
79.4388

■ 48.6421, 63.6566,
72.8433

■ 70.9152, 74.9639,
81.7866

■ 45.0997, 61.8723,
70.7871

■ 78.7099, 78.9366,
84.2123

■ 42.2756, 60.4575,
68.7981

■ 82.5192, 80.8540,
86.4861

■ 40.1149, 59.3839,
66.8736

■ 82.9274, 81.0173,
88.6355

■ 38.5549, 58.6194,
65.0104

■ 83.3422, 81.1832,
90.8201

■ 37.5207, 58.1251,
63.2049

■ 83.7638, 81.3519,
93.0401

■ 36.9207, 57.8506,
61.6047

■ 84.1922, 81.5232,
95.2957

■ 84.6273, 81.6972,
97.5870

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5463, 68.4299, 66.7128



58.0715, 68.4299, 77.1654



59.4053, 68.4299, 87.8688

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.0715, 68.4299, 77.1654



69.5521, 68.4299, 92.4052



67.9045, 68.4299, 56.8647

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.0715, 68.4299, 77.1654



55.6259, 51.3109, 52.3225

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0214, 68.4299, 62.5762



58.0715, 68.4299, 77.1654



71.9981, 68.4299, 82.8891

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.0715, 68.4299, 77.1654



65.9618, 68.4299, 97.2055



72.5460, 68.4299, 71.9134



64.1280, 68.4299, 55.6519

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.0715, 68.4299, 77.1654



61.1724, 68.4299, 93.4823



72.5460, 68.4299, 71.9134



69.0685, 68.4299, 58.2933

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.0735, 68.4327, 77.1669



89.3304, 97.0876, 106.9984



54.7943, 67.2910, 52.2212



18.9928, 20.7158, 22.8582



0.0000, 0.0000, 0.0000



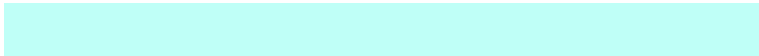
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0735, 68.4327, 77.1669



74.0754, 89.3354, 101.2201



54.4518, 59.9016, 79.9297



14.0373, 15.5406, 17.2316



21.3049, 33.3468, 35.6581



1.4981, 2.3200, 2.5840

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.6259, 51.3109, 52.3225



70.2798, 62.7725, 62.6839



58.6570, 58.3590, 50.2935



13.7781, 13.7289, 14.6018



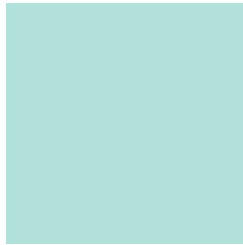
18.0426, 9.2840, 1.6242



1.2742, 0.6529, 0.2366

Previews

White Background



This preview shows how the XYZ color 58.0715, 68.4299, 77.1654 looks on a white background.

Color Contrast Check

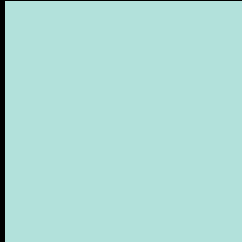
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.0715, 68.4299, 77.1654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

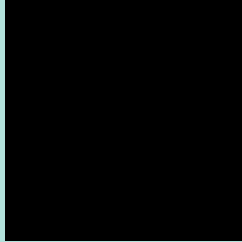
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

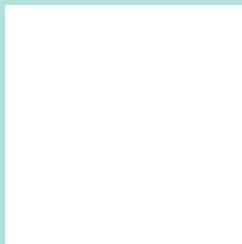
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0715, 68.4299, 77.1654

Background



This preview shows how black text looks on a background with the XYZ color 58.0715, 68.4299, 77.1654.

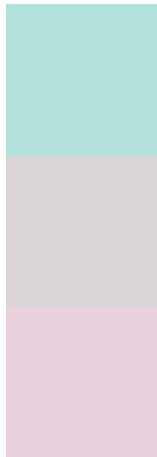


This preview shows how white text looks on a background with the XYZ color 58.0715, 68.4299,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.0715, 68.4299, 77.1654

Protanopia

65.2702, 67.9573, 72.6278

Deuteranopia

69.5896, 68.1985, 78.6031



Tritanopia

61.1409, 68.4789, 92.4334

Trichromacy



Original Color

58.0715, 68.4299, 77.1654

Protanomaly

62.2390, 67.8865, 74.1130

Deuteranomaly

64.7922, 67.9675, 78.1107

Tritanomaly

60.0092, 68.4253, 86.3885

Monochromacy



Original Color

58.0715, 68.4299, 77.1654

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.5994, 65.4107, 72.4351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0715, 68.4299, 77.1654 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(178, 225, 219)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 225, 219) }
```

Border

The CSS property to change the border of an element to XYZ 58.0715, 68.4299, 77.1654 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 225, 219) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 225, 219) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(178, 225,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0715, 68.4299, 77.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 225, 219) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
225, 219) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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