

Converting Colors

XYZ(58.1668, 66.8879, 76.8561)

Have a look what the booklet for
XYZ(58.1668, 66.8879, 76.8561)
contains.

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Color

**XYZ(58.1711, 66.8947,
76.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	B7DDDB
RGB	183, 221, 219
RGB Percent	72%, 87%, 86%
CMY	0.2823, 0.1333, 0.1412
CMYK	0.17, 0.00, 0.01, 0.13
HSL	177°, 36%, 79%
HSV	177°, 17%, 87%
XYZ	58.1711, 66.8947, 76.8639
YIQ	209.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

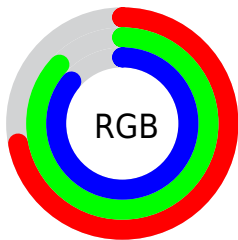
Format	Color
R _{YB}	183, 203, 221
Decimal	12049883
CIE _{Lab}	85.45, -12.77, -3.17
CIE _{LCh}	85, 13.159, 193.921
Yxy	66.8947, 0.2881, 0.3313
Android (android.graphics.Color)	4290239963 (0xFFB7DDDB)
YUV	209.4100, 4.7279, -23.1616
Hunter-Lab	81.7892, -16.1761, 1.5328

Details

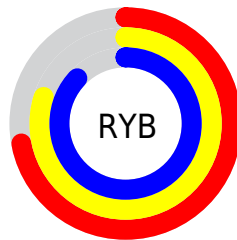
The XYZ color **58.1711, 66.8947, 76.8639** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5116, 52.7437, 53.1566**, and the grayscale version is **60.8540, 64.0232, 69.7212**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **29.3903, 34.6199, 40.2552** is the 20% darker color. If you saturate the color by 10%, you get **53.1693, 64.3356, 75.8334**, and if you desaturate by 10%, it is **64.0032, 69.8852, 77.9417**.

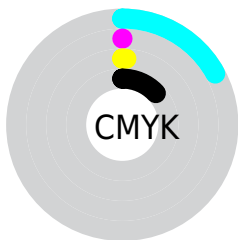
Distribution



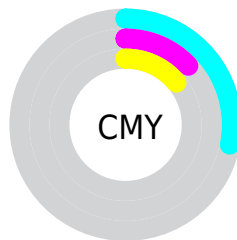
- Red (72%)
- Green (87%)
- Blue (86%)



- Red (72%)
- Yellow (80%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (28%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1711, 66.8947, 76.8639 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 58.1711, 66.8947, 76.8639 by changing the saturation by 10% instead.

■ 58.1711, 66.8947,
76.8639

■ 58.1711, 66.8947,
76.8639

407.7668,
449.5699, 503.7252

■ 42.1900, 48.9991,
56.6303

■ 101.2935,
114.7695, 130.7186

■ 29.4419, 34.6187,
40.3011

129.1655,
145.5175, 165.1768

■ 19.5613, 23.3693,
27.4578

161.7319,
181.3183, 205.2135

■ 12.1830, 14.8665,
17.6819

199.3581,
222.5565, 251.2474

■ 6.9415, 8.7257,
10.5548

242.4092,
269.6163, 303.6970

■ 3.4715, 4.5627,
5.6579

291.2509,

■ 1.4078, 1.9931,

322.8822, 362.9808

2.5728

346.2482,
382.7386, 429.5174

■ 0.2617, 0.6034,
0.8784

■ 0.0000, 0.0000,
0.0000

■ 58.1711, 66.8947,
76.8639

■ 58.1711, 66.8947,
76.8639

■ 53.1693, 64.3356,
75.8334

■ 64.0032, 69.8852,
77.9417

■ 48.9537, 62.1799,
74.8439

■ 70.6957, 73.3174,
79.0639

■ 45.4847, 60.4090,
73.8949

■ 78.2843, 77.2115,
80.2338

■ 42.7169, 58.9994,
72.9843

■ 80.5063, 78.3388,
81.1580

40.6003, 57.9255,
72.1097

80.6646, 78.4021,
81.9914

39.0781, 57.1578,
71.2684

80.8239, 78.4658,
82.8305

38.0835, 56.6620,
70.4575

80.9843, 78.5300,
83.6753

37.5286, 56.3927,
69.6726

81.1458, 78.5946,
84.5258

37.4104, 56.3365,
69.4552

81.3084, 78.6597,
85.3821

Harmonies

Analogous

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



58.2239, 66.8947, 68.3781



58.1711, 66.8947, 76.8639



59.5358, 66.8947, 84.8456

Triad

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



58.1711, 66.8947, 76.8639



67.6468, 66.8947, 85.3313



65.1845, 66.8947, 58.1553

Complementary

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



58.1711, 66.8947, 76.8639



55.5116, 52.7437, 53.1566

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.



67.8062, 66.8947, 62.0185



58.1711, 66.8947, 76.8639



69.2579, 66.8947, 77.4855

Square

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



58.1711, 66.8947, 76.8639



64.9724, 66.8947, 89.9867



69.3172, 66.8947, 68.9532



62.2104, 66.8947, 58.0175

Rectangle

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



58.1711, 66.8947, 76.8639



61.0912, 66.8947, 88.6225



69.3172, 66.8947, 68.9532



66.1383, 66.8947, 59.0469

Sweetspot

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



58.1730, 66.8975, 76.8654



90.4058, 97.6183, 108.1189



54.5422, 65.5154, 54.5720



19.2161, 20.8254, 23.1187



0.0000, 0.0000, 0.0000



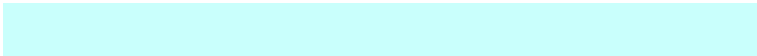
20.3446, 21.4041, 23.3091

Same Dimension

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



58.1730, 66.8975, 76.8654



77.5674, 91.0395, 105.7271



54.3014, 58.7297, 76.8838



13.4137, 14.8171, 16.6414



21.7448, 32.7305, 40.4169



1.4180, 2.1242, 2.6673

Inverse Universe

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



55.5116, 52.7437, 53.1566



73.1635, 67.6161, 66.4934



58.8994, 59.8553, 53.2498



13.0837, 13.0626, 13.7021



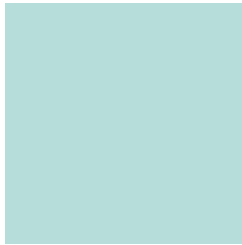
17.3722, 8.9499, 1.0743



1.1355, 0.5838, 0.1223

Previews

White Background



This preview shows how the XYZ color 58.1711, 66.8947, 76.8639 looks on a white background.

Color Contrast Check

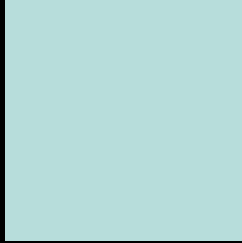
Large Text (above 18pt) WCAG AA × Fail

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 58.1711, 66.8947, 76.8639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

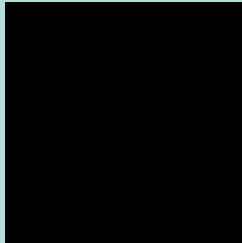
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

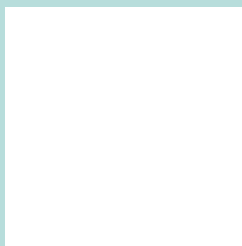
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1711, 66.8947, 76.8639

Background



This preview shows how black text looks on a background with the XYZ color 58.1711, 66.8947, 76.8639.

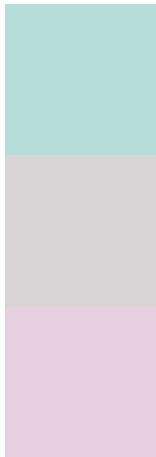


This preview shows how white text looks on a background with the XYZ color 58.1711, 66.8947,

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

58.1711, 66.8947, 76.8639

Protanopia

64.0000, 66.5409, 73.0889

Deuteranopia

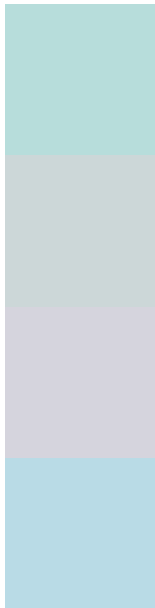
68.1308, 66.7226, 78.3951



Tritanopia

60.4614, 66.6380, 89.0327

Trichromacy



Original Color

58.1711, 66.8947, 76.8639

Protanomaly

61.5969, 66.3961, 74.5350

Deuteranomaly

64.0352, 66.4536, 77.8584

Tritanomaly

59.6220, 66.6905, 84.5930

Monochromacy



Original Color

58.1711, 66.8947, 76.8639

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.6239, 64.6720, 72.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1711, 66.8947, 76.8639 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(183, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(183, 221, 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(183, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 221, 219) }
```

Border

The CSS property to change the border of an element to XYZ 58.1711, 66.8947, 76.8639 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(183, 221, 219) }
```


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

```
.border{ border-color:rgb(183, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 221, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 221, 219); box-shadow:4px 4px 4px 4px rgb(183, 221, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1711, 66.8947, 76.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 221, 219) }
```

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

```
.background{ background-color: rgb(183,  
221, 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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