

Converting Colors

XYZ(57.8354, 65.3236, 72.0031)

Have a look what the booklet for
XYZ(57.8354, 65.3236, 72.0031)
contains.

XYZ(57.6828, 65.1980, 71.8316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.6828, 65.1980,
71.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	BDD9D4
RGB	189, 217, 212
RGB Percent	74%, 85%, 83%
CMY	0.2588, 0.1490, 0.1686
CMYK	0.13, 0.00, 0.02, 0.15
HSL	169°, 27%, 80%
HSV	169°, 13%, 85%
XYZ	57.6828, 65.1980, 71.8316
YIQ	208.0580, -15.0830, -7.4910

Conversions

Conversions Part 2

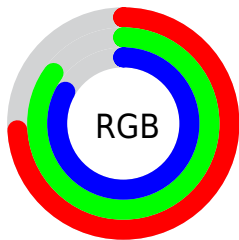
Format	Color
RYB	189, 204, 217
Decimal	12442068
CIELab	84.59, -10.24, -0.68
CIELCh	85, 10.258, 183.818
Yxy	65.1980, 0.2962, 0.3348
Android (android.graphics.Color)	4290632148 (0xFFBDD9D4)
YUV	208.0580, 1.9434, -16.7139
Hunter-Lab	80.7453, -13.7874, 3.7769

Details

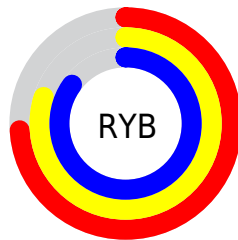
The XYZ color **57.6828, 65.1980, 71.8316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.5528, 55.0437, 58.6858**, and the grayscale version is **59.9881, 63.1122, 68.7292**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.9978, 33.4259, 36.8218** is the 20% darker color. If you saturate the color by 10%, you get **52.2147, 62.4367, 69.0542**, and if you desaturate by 10%, it is **63.9718, 68.3847, 74.7114**.

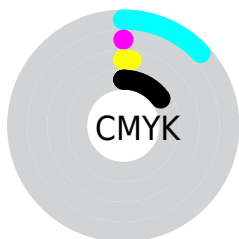
Distribution



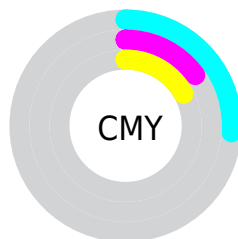
- Red (74%)
- Green (85%)
- Blue (83%)



- Red (74%)
- Yellow (80%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (26%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6828, 65.1980, 71.8316 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 57.6828, 65.1980, 71.8316 by changing the saturation by 10% instead.

■ 57.6828, 65.1980,
71.8316

■ 57.6828, 65.1980,
71.8316

405.9759,
443.5032, 485.9170

■ 41.7960, 47.6216,
52.5351

■ 100.5864,
112.3345, 123.5226

■ 29.1320, 33.5274,
37.0466

128.3339,
142.6634, 156.7542

■ 19.3255, 22.5307,
24.9475

160.7657,
178.0119, 195.4679

■ 12.0111, 14.2474,
15.8193

198.2471,
218.7645, 240.0822

■ 6.8235, 8.2929,
9.2434

241.1434,
265.3055, 291.0158

■ 3.3973, 4.2830,
4.8013

289.8201,

■ 1.3672, 1.8331,

318.0194, 348.6871

2.0745

344.6425,
377.2905, 413.5146

■ 0.2327, 0.5077,
0.6005

■ 0.0000, 0.0000,
0.0000

■ 57.6828, 65.1980,
71.8316

■ 57.6828, 65.1980,
71.8316

■ 52.2147, 62.4367,
69.0542

■ 63.9718, 68.3847,
74.7114

■ 47.5261, 60.0741,
66.3729


■ 71.1096, 72.0058,
77.6913


■ 43.5805, 58.0933,
63.7868


■ 79.1297, 76.0804,
80.7747


■ 40.3363, 56.4726,
61.2935


■ 79.9897, 76.4624,
83.5856


 37.7475, 55.1886,
58.8906


 80.5326, 76.6796,
86.4445

 35.7628, 54.2146,
56.5750


 81.0877, 76.9016,
89.3674


 34.3229, 53.5202,
54.3437

 81.6550, 77.1285,
92.3547

 33.3565, 53.0686,
52.1928

 82.2346, 77.3603,
95.4067

 32.8734, 52.8519,
50.7111

 82.8265, 77.5971,
98.5238

Harmonies

Analogous

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



58.1048, 65.1980, 65.5752



57.6828, 65.1980, 71.8316



58.3858, 65.1980, 78.2338

Triad

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



57.6828, 65.1980, 71.8316



64.4491, 65.1980, 81.9780



63.9298, 65.1980, 60.2745

Complementary

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



57.6828, 65.1980, 71.8316



56.5528, 55.0437, 58.6858

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.



65.6954, 65.1980, 64.2069



57.6828, 65.1980, 71.8316



66.0003, 65.1980, 76.6940

Square

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



57.6828, 65.1980, 71.8316



62.2621, 65.1980, 84.3149



66.4619, 65.1980, 70.1541



61.6763, 65.1980, 59.1477

Rectangle

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



57.6828, 65.1980, 71.8316



59.4082, 65.1980, 81.6502



66.4619, 65.1980, 70.1541



64.6019, 65.1980, 61.2997

Sweetspot

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



57.6847, 65.2007, 71.8331



91.1044, 97.9997, 107.1910



56.2826, 64.7896, 57.6844



19.3460, 20.8979, 22.8751



0.0000, 0.0000, 0.0000



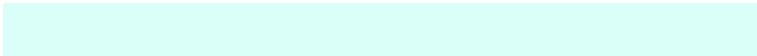
20.3446, 21.4041, 23.3091

Same Dimension

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



57.6847, 65.2007, 71.8331



81.2701, 93.0211, 102.6135



56.1011, 61.0077, 74.4677



13.3398, 14.7876, 16.2525



19.9344, 32.0064, 30.8837



1.3181, 2.0842, 2.1412

Inverse Universe

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



56.5528, 55.0437, 58.6858



79.3866, 76.1162, 80.7333



57.9664, 58.7551, 56.4309



13.1506, 13.0893, 14.0541



17.5692, 9.0287, 2.1117



1.1671, 0.5965, 0.2891

Previews

White Background



This preview shows how the XYZ color 57.6828, 65.1980, 71.8316 looks on a white background.

Color Contrast Check

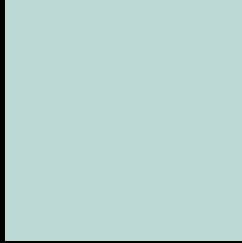
Large Text (above 18pt) WCAG AA × Fail

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 57.6828, 65.1980, 71.8316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

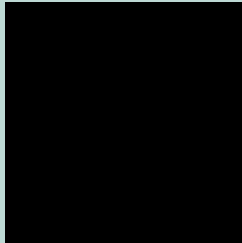
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

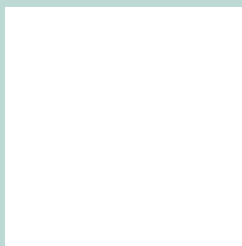
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.6828, 65.1980, 71.8316

Background



This preview shows how black text looks on a background with the XYZ color 57.6828, 65.1980, 71.8316.

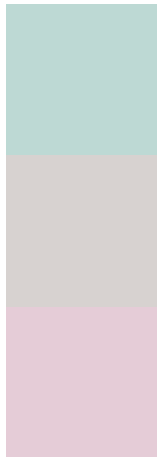


This preview shows how white text looks on a background with the XYZ color 57.6828, 65.1980,

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

57.6828, 65.1980, 71.8316

Protanopia

62.4561, 65.0943, 68.9472

Deuteranopia

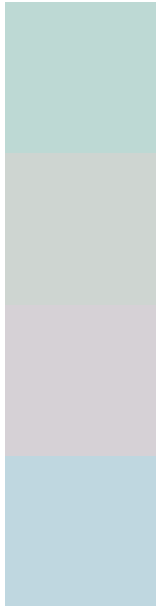
66.1717, 64.7500, 73.3004



Tritanopia

60.2086, 65.0691, 84.9876

Trichromacy



Original Color

57.6828, 65.1980, 71.8316

Protanomaly

60.7565, 65.3138, 69.7262

Deuteranomaly

62.6696, 64.7521, 72.8137

Tritanomaly

59.2408, 65.0591, 79.9563

Monochromacy



Original Color

57.6828, 65.1980, 71.8316

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.8903, 63.6095, 69.4956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6828, 65.1980, 71.8316 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(189, 217, 212) looks like.

```
.text, #text, p{  
    color:rgb(189, 217, 212)  
}
```

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(189, 217, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 217, 212) }
```

Border

The CSS property to change the border of an element to XYZ 57.6828, 65.1980, 71.8316 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(189, 217, 212) }
```


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

```
.border{ border-color:rgb(189, 217, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 217, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 217, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 217, 212);  
box-shadow:4px 4px 4px 4px rgb(189, 217,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6828, 65.1980, 71.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 217, 212) }
```

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

```
.background{ background-color: rgb(189,  
217, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor