

Converting Colors

XYZ(46.8682, 51.5465, 57.6771)

Have a look what the booklet for
XYZ(46.8682, 51.5465, 57.6771)
contains.

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Color

**XYZ(47.0489, 51.7809,
57.9671)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C2C1
RGB	177, 194, 193
RGB Percent	69%, 76%, 76%
CMY	0.3059, 0.2392, 0.2431
CMYK	0.09, 0.00, 0.01, 0.24
HSL	176°, 12%, 73%
HSV	176°, 9%, 76%
XYZ	47.0489, 51.7809, 57.9671
YIQ	188.8030, -9.8110, -3.9150

Conversions

Conversions Part 2

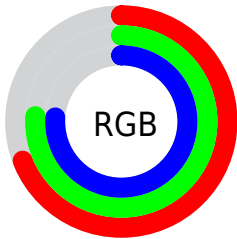
Format	Color
R_{YB}	177, 186, 194
Decimal	11649729
CIE _{Lab}	77.15, -5.98, -1.49
CIE _{LCh}	77, 6.166, 194.008
Yxy	51.7809, 0.3001, 0.3302
Android (android.graphics.Color)	4289839809 (0xFFB1C2C1)
YUV	188.8030, 2.0691, -10.3512
Hunter-Lab	71.9589, -9.2195, 2.6097

Details

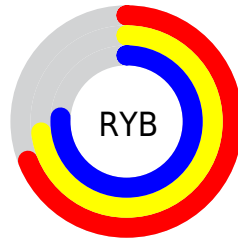
The XYZ color **47.0489, 51.7809, 57.9671** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0080, 46.1294, 48.6008**, and the grayscale version is **48.2510, 50.7638, 55.2818**.

A 20% lighter version of the original color is **84.8888, 92.5344, 103.0093**, and **22.4239, 24.9347, 28.4420** is the 20% darker color. If you saturate the color by 10%, you get **42.8136, 49.6136, 57.1062**, and if you desaturate by 10%, it is **51.9164, 54.2768, 58.8649**.

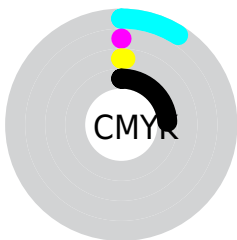
Distribution



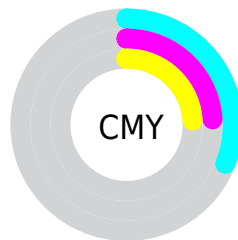
- Red (69%)
- Green (76%)
- Blue (76%)



- Red (69%)
- Yellow (73%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (31%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0489, 51.7809, 57.9671 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 47.0489, 51.7809, 57.9671 by changing the saturation by 10% instead.

■ 47.0489, 51.7809,
57.9671

■ 47.0489, 51.7809,
57.9671

365.6553,
393.5902, 434.6582

■ 33.2824, 36.8305,
41.3677

■ 85.0049, 92.8080,
103.3893

■ 22.5032, 25.0763,
28.2846

109.9251,
119.6535, 133.0491

■ 14.3457, 16.1339,
18.2994

139.2940,
151.2328, 167.8994

■ 8.4448, 9.6189,
10.9935

173.4769,
187.9303, 208.3588

■ 4.4351, 5.1470,
5.9484

212.8391,
230.1304, 254.8459

■ 1.9511, 2.3338,
2.7454

257.7460,

■ 0.6063, 0.7915,

278.2175, 307.7791

0.9662

308.5630,
332.5759, 367.5770

■ 0.0000, 0.0000,
0.0000

■ 47.0489, 51.7809,
57.9671

■ 47.0489, 51.7809,
57.9671

■ 42.8136, 49.6136,
57.1062

■ 51.9164, 54.2768,
58.8649

■ 39.1796, 47.7548,
56.2775

■ 57.4365, 57.1076,
59.7974

■ 36.1203, 46.1922,
55.4808

■ 63.6340, 60.2875,
60.7667

■ 33.6051, 44.9099,
54.7147

■ 70.5314, 63.8281,
61.7740

■ 31.6007, 43.8908,
53.9776

■ 70.8093, 63.9561,
62.4766

■ 30.0701, 43.1159,
53.2678

■ 70.9424, 64.0093,
63.1778

■ 28.9713, 42.5634,
52.5833

■ 71.0766, 64.0630,
63.8841

■ 28.2550, 42.2081,
51.9218

■ 71.2117, 64.1171,
64.5958

■ 27.8392, 42.0075,
51.2793

■ 71.3479, 64.1715,
65.3128

Harmonies

Analogous

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



47.0686, 51.7809, 54.6105



47.0489, 51.7809, 57.9671



47.6034, 51.7809, 61.0134

Triad

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



47.0489, 51.7809, 57.9671



50.8083, 51.7809, 61.1811



49.8435, 51.7809, 50.3659

Complementary

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



47.0489, 51.7809, 57.9671



46.0080, 46.1294, 48.6008

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.



50.8650, 51.7809, 51.9884



47.0489, 51.7809, 57.9671



51.4281, 51.7809, 58.1885

Square

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



47.0489, 51.7809, 57.9671



49.7671, 51.7809, 62.9186



51.4490, 51.7809, 54.8233



48.6694, 51.7809, 50.3120

Rectangle

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



47.0489, 51.7809, 57.9671



48.2292, 51.7809, 62.4211



51.4490, 51.7809, 54.8233



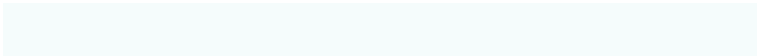
50.2165, 51.7809, 50.7430

Sweetspot

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



47.0504, 51.7831, 57.9682



90.1362, 96.3225, 105.9397



45.6198, 51.2408, 49.0819



19.5807, 21.0126, 23.1706



0.0000, 0.0000, 0.0000



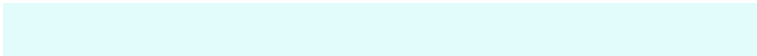
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0504, 51.7831, 57.9682



83.2867, 92.8132, 104.6368



45.5632, 48.6291, 58.0263



10.3421, 11.4179, 12.8046



18.2840, 27.6076, 33.7181



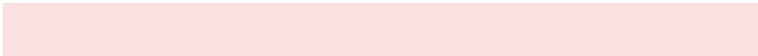
0.7979, 1.1960, 1.4986

Inverse Universe

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



46.0080, 46.1294, 48.6008



80.9182, 79.9659, 83.3508



47.4025, 49.0790, 48.5707



10.0967, 10.0873, 10.6000



14.6794, 7.5615, 0.9579



0.6427, 0.3301, 0.0860

Previews

White Background



This preview shows how the XYZ color 47.0489, 51.7809, 57.9671 looks on a white background.

Color Contrast Check

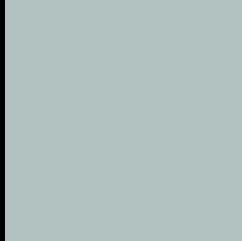
Large Text (above 18pt) WCAG AA × Fail

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 47.0489, 51.7809, 57.9671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

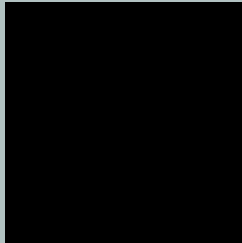
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

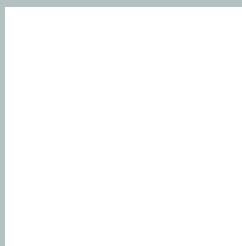
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0489, 51.7809, 57.9671

Background



This preview shows how black text looks on a background with the XYZ color 47.0489, 51.7809, 57.9671.

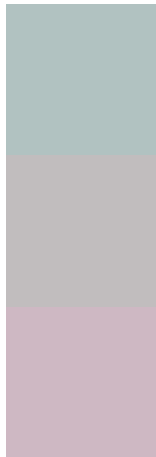


This preview shows how white text looks on a background with the XYZ color 47.0489, 51.7809,

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

47.0489, 51.7809, 57.9671

Protanopia

49.4842, 51.4504, 56.0380

Deuteranopia

52.4444, 51.3429, 58.7758



Tritanopia

48.7025, 51.7880, 66.4607

Trichromacy



Original Color

47.0489, 51.7809, 57.9671

Protanomaly

48.5283, 51.5880, 56.6900

Deuteranomaly

50.2265, 51.4636, 58.3252

Tritanomaly

48.0907, 51.8692, 63.3542

Monochromacy



Original Color

47.0489, 51.7809, 57.9671

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9326, 51.2936, 56.0895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0489, 51.7809, 57.9671 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(177, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(177, 194, 193)  
}
```

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(177, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 194, 193) }
```

Border

The CSS property to change the border of an element to XYZ 47.0489, 51.7809, 57.9671 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(177, 194, 193) }
```


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

```
.border{ border-color:rgb(177, 194, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 194, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(177, 194,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0489, 51.7809, 57.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 194, 193) }
```

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

```
.background{ background-color: rgb(177,  
194, 193) }
```

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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