

Converting Colors

XYZ(47.4163, 49.2328, 58.4475)

Have a look what the booklet for
XYZ(47.4163, 49.2328, 58.4475)
contains.

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Color

**XYZ(47.6589, 49.4970,
58.6717)**

Conversions

Conversions Part 1

Format	Color
Hex	BABAC3
RGB	186, 186, 195
RGB Percent	73%, 73%, 76%
CMY	0.2706, 0.2706, 0.2353
CMYK	0.05, 0.05, 0.00, 0.24
HSL	240°, 7%, 75%
HSV	240°, 5%, 76%
XYZ	47.6589, 49.4970, 58.6717
YIQ	187.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

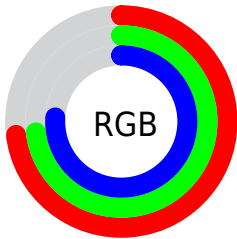
Format	Color
RYB	186, 186, 195
Decimal	12237507
CIELab	75.76, 1.71, -4.54
CIELCh	76, 4.855, 290.644
Yxy	49.4970, 0.3058, 0.3176
Android (android.graphics.Color)	4290427587 (0xFFBABAC3)
YUV	187.0260, 3.9312, -0.8998
Hunter-Lab	70.3541, -2.2012, -0.1969

Details

The XYZ color **47.6589, 49.4970, 58.6717** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.8838, 54.1769, 54.2305**, and the grayscale version is **47.2296, 49.6892, 54.1116**.

A 20% lighter version of the original color is **85.9408, 89.4098, 104.8237**, and **22.8681, 23.6847, 28.5656** is the 20% darker color. If you saturate the color by 10%, you get **39.4109, 39.5599, 57.1891**, and if you desaturate by 10%, it is **57.1166, 60.8921, 60.3735**.

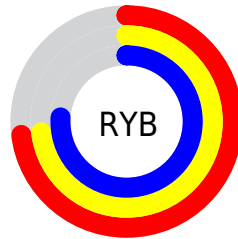
Distribution



Red (73%)

Green (73%)

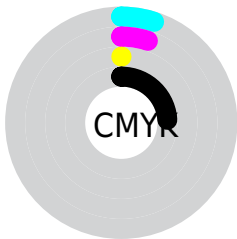
Blue (76%)



Red (73%)

Yellow (73%)

Blue (76%)

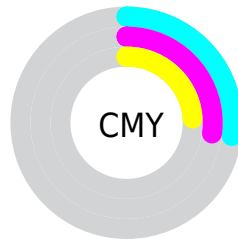


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (27%)

Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6589, 49.4970, 58.6717 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 47.6589, 49.4970, 58.6717 by changing the saturation by 10% instead.

■ 47.6589, 49.4970,
58.6717

■ 47.6589, 49.4970,
58.6717

368.0436,
384.6956, 437.3522

■ 33.7670, 35.0139,
41.9306

■ 85.9091, 89.4292,
104.4248

■ 22.8767, 23.6736,
28.7218

110.9981,
115.6470, 134.2739

■ 14.6227, 15.0917,
18.6267

140.5501,
146.5452, 169.3294

■ 8.6396, 8.8837,
11.2268

174.9306,
182.5082, 210.0099

■ 4.5621, 4.6654,
6.1035

214.5048,
223.9203, 256.7338

■ 2.0248, 2.0523,
2.8383

259.6381,

■ 0.6478, 0.6376,

271.1660, 309.9198

1.0127

310.6960,
324.6297, 369.9864

■ 0.0000, 0.0000,
0.0000

■ 47.6589, 49.4970,
58.6717

■ 47.6589, 49.4970,
58.6717

■ 39.4109, 39.5599,
57.1891

■ 57.1166, 60.8921,
60.3735

■ 32.3196, 31.0160,
55.9137

■ 67.8254, 73.7941,
62.2994

■ 26.3348, 23.8049,
54.8373

■ 79.8301, 88.2573,
64.4583

■ 21.4005, 17.8596,
53.9498

■ 86.8505, 96.7202,
65.7218

■ 17.4564, 13.1070,
53.2403

■ 14.4354, 9.4667,
52.6969

■ 12.2627, 6.8484,
52.3060

■ 10.8515, 5.1475,
52.0521

■ 10.0966, 4.2373,
51.9162

Harmonies

Analogous

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



46.7643, 49.4970, 58.9394



47.6589, 49.4970, 58.6717



48.3978, 49.4970, 57.1019

Triad

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



47.6589, 49.4970, 58.6717



48.1526, 49.4970, 50.1475



45.3565, 49.4970, 53.0912

Complementary

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



47.6589, 49.4970, 58.6717



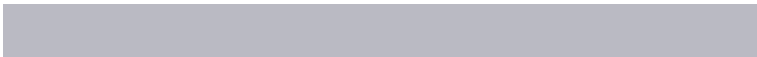
50.8838, 54.1769, 54.2305

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.



45.7184, 49.4970, 50.8082



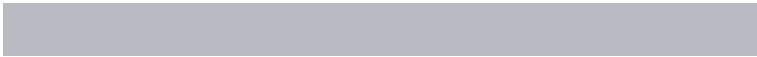
47.6589, 49.4970, 58.6717



47.3276, 49.4970, 49.1447

Square

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



47.6589, 49.4970, 58.6717



48.6854, 49.4970, 52.1633



46.4372, 49.4970, 49.3826



45.4427, 49.4970, 55.6622

Rectangle

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



47.6589, 49.4970, 58.6717



48.6990, 49.4970, 55.5551



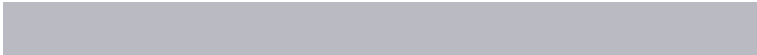
46.4372, 49.4970, 49.3826



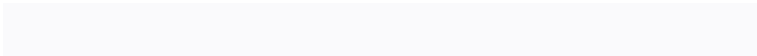
45.4297, 49.4970, 52.2660

Sweetspot

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



47.6603, 49.4991, 58.6728



91.2025, 95.6925, 106.1334



49.5989, 53.4034, 59.2353



19.9906, 20.9775, 23.2454



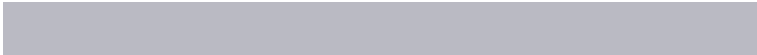
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.6603, 49.4991, 58.6728



83.0418, 85.8604, 104.6657



48.7327, 50.0510, 58.7228



10.0471, 10.3732, 12.7575



6.4028, 2.5620, 33.7137



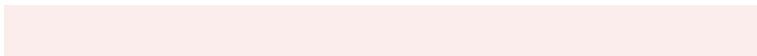
0.2767, 0.1109, 1.4567

Inverse Universe

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



48.9286, 50.2660, 53.5803



86.0111, 87.6560, 92.7428



49.7767, 53.6072, 54.1789



10.4357, 10.6082, 11.1970



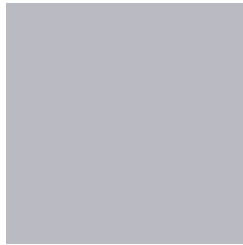
14.6278, 7.5409, 0.6860



0.6321, 0.3258, 0.0299

Previews

White Background



This preview shows how the XYZ color 47.6589, 49.4970, 58.6717 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 47.6589, 49.4970, 58.6717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

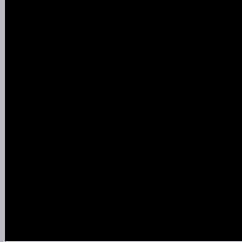
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6589, 49.4970, 58.6717

Background



This preview shows how black text looks on a background with the XYZ color 47.6589, 49.4970, 58.6717.

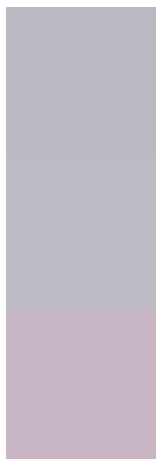


This preview shows how white text looks on a background with the XYZ color 47.6589, 49.4970,

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

47.6589, 49.4970, 58.6717

Protanopia

48.1483, 49.7493, 58.6946

Deuteranopia

50.3071, 49.3126, 59.0914



Tritanopia

48.2678, 49.4328, 61.6411

Trichromacy



Original Color

47.6589, 49.4970, 58.6717

Protanomaly

47.9027, 49.6227, 58.6832

Deuteranomaly

49.4030, 49.4546, 59.1664

Tritanomaly

48.0355, 49.3399, 60.4179

Monochromacy



Original Color

47.6589, 49.4970, 58.6717

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5581, 49.8231, 55.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6589, 49.4970, 58.6717 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(186, 186, 195) looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 195)  
}
```

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(186, 186, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.6589, 49.4970, 58.6717 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(186, 186, 195) }
```


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

```
.border{ border-color:rgb(186, 186, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 195);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6589, 49.4970, 58.6717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 195) }
```

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

```
.background{ background-color: rgb(186,  
186, 195) }
```

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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