

Converting Colors

XYZ(50.2320, 47.7784, 59.3980)

Have a look what the booklet for
XYZ(50.2320, 47.7784, 59.3980)
contains.

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Color

**XYZ(50.2320, 47.7784,
59.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB0C5
RGB	203, 176, 197
RGB Percent	80%, 69%, 77%
CMY	0.2039, 0.3098, 0.2274
CMYK	0.00, 0.13, 0.03, 0.20
HSL	313°, 21%, 74%
HSV	313°, 13%, 80%
XYZ	50.2320, 47.7784, 59.3980
YIQ	186.4670, 9.3510, 12.2550

Conversions

Conversions Part 2

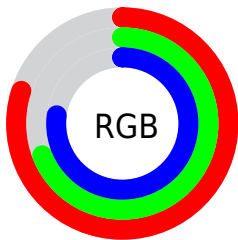
Format	Color
R _Y B	203, 176, 197
Decimal	13349061
CIE Lab	74.68, 13.37, -7.06
CIE LCh	75, 15.119, 332.142
Yxy	47.7784, 0.3191, 0.3035
Android (android.graphics.Color)	4291539141 (0xFFCBB0C5)
YUV	186.4670, 5.1928, 14.4994
Hunter-Lab	69.1219, 8.7554, -2.5639

Details

The XYZ color **50.2320, 47.7784, 59.3980** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7058, 55.3207, 52.4222**, and the grayscale version is **46.9033, 49.3459, 53.7377**.

A 20% lighter version of the original color is **87.9860, 86.1290, 105.7531**, and **24.4353, 22.5386, 29.0491** is the 20% darker color. If you saturate the color by 10%, you get **46.0367, 40.2021, 55.4874**, and if you desaturate by 10%, it is **55.0408, 56.5554, 63.5906**.

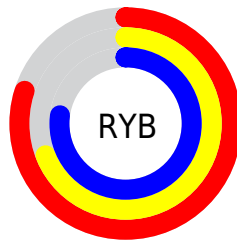
Distribution



Red (80%)

Green (69%)

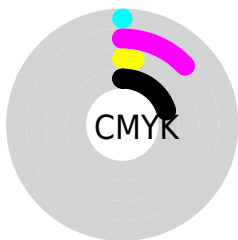
Blue (77%)



Red (80%)

Yellow (69%)

Blue (77%)

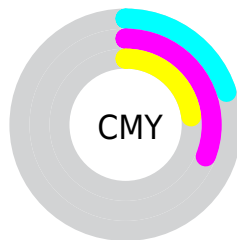


Cyan (0%)

Magenta (13%)

Yellow (3%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2320, 47.7784, 59.3980 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 50.2320, 47.7784, 59.3980 by changing the saturation by 10% instead.

■ 50.2320, 47.7784,
59.3980

■ 50.2320, 47.7784,
59.3980

378.0095,
377.9131, 440.1181

■ 35.8163, 33.6514,
42.5115

■ 89.7083, 86.8744,
105.4907

■ 24.4618, 22.6259,
29.1734

115.4996,
112.6122, 135.5339

■ 15.8031, 14.3176,
18.9654

145.8135,
142.9890, 170.7999

■ 9.4749, 8.3419,
11.4687

181.0154,
178.3893, 211.7070

■ 5.1118, 4.3145,
6.2649

221.4706,
219.1975, 258.6738

■ 2.3484, 1.8510,
2.9354

267.5444,

■ 0.8193, 0.5187,

265.7979, 312.1189

1.0618

319.6023,
318.5750, 372.4608

■ 0.0000, 0.0000,
0.0000

■ 50.2320, 47.7784,
59.3980

■ 50.2320, 47.7784,
59.3980

■ 46.0367, 40.2021,
55.4874

■ 55.0408, 56.5554,
63.5906

■ 42.4242, 33.7676,
51.8462

■ 60.4837, 66.5764,
68.0710

■ 39.3674, 28.4203,
48.4652

■ 66.5855, 77.8901,
72.8486

■ 36.8356, 24.0987,
45.3336

■ 72.6609, 89.1255,
77.6958

■ 34.7947, 20.7351,
42.4393

■ 73.2490, 89.3607,
80.7927

■ 33.2068, 18.2537,
39.7690

■ 73.8532, 89.6024,
83.9746

■ 32.0280, 16.5671,
37.3073

■ 74.4737, 89.8506,
87.2419

■ 31.2055, 15.5701,
35.0359

■ 75.1105, 90.1053,
90.5955

■ 30.7905, 15.1613,
33.5989

■ 75.7639, 90.3667,
94.0359

Harmonies

Analogous

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



48.2736, 47.7784, 65.8760



50.2320, 47.7784, 59.3980



50.8840, 47.7784, 51.4604

Triad

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



50.2320, 47.7784, 59.3980



45.2152, 47.7784, 38.3517



41.0946, 47.7784, 60.4719

Complementary

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



50.2320, 47.7784, 59.3980



47.7058, 55.3207, 52.4222

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.



40.3469, 47.7784, 52.5888



50.2320, 47.7784, 59.3980



42.6657, 47.7784, 40.2617

Square

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



50.2320, 47.7784, 59.3980



47.9191, 47.7784, 39.7880



40.9105, 47.7784, 45.2844



42.9938, 47.7784, 66.5386

Rectangle

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



50.2320, 47.7784, 59.3980



50.4699, 47.7784, 46.5391



40.9105, 47.7784, 45.2844



40.7037, 47.7784, 57.9206

Sweetspot

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



50.2334, 47.7805, 59.3990



91.5190, 93.5187, 105.9330



45.5628, 45.2917, 62.8415



19.4509, 19.7642, 22.5565



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.



50.2334, 47.7805, 59.3990



81.9613, 76.1041, 97.5039



48.7707, 47.1954, 51.6965



11.5767, 11.3594, 13.5714



19.6301, 9.6626, 21.5685



1.0397, 0.5093, 1.2550

Inverse Universe

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



50.2334, 47.7805, 59.3990



81.9613, 76.1041, 97.5039



49.1520, 55.8992, 60.0379



11.5767, 11.3594, 13.5714



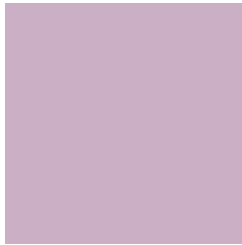
19.6301, 9.6626, 21.5685



1.0397, 0.5093, 1.2550

Previews

White Background



This preview shows how the XYZ color 50.2320, 47.7784, 59.3980 looks on a white background.

Color Contrast Check

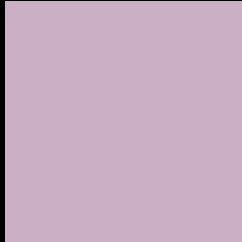
Large Text (above 18pt) WCAG AA × Fail

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 50.2320, 47.7784, 59.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

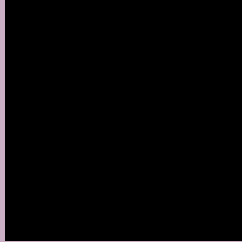
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2320, 47.7784, 59.3980

Background



This preview shows how black text looks on a background with the XYZ color 50.2320, 47.7784, 59.3980.



This preview shows how white text looks on a background with the XYZ color 50.2320, 47.7784,

59.3980.

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

50.2320, 47.7784, 59.3980

Protanopia

46.7675, 48.0291, 62.0640

Deuteranopia

48.8489, 47.9615, 58.9074



Tritanopia

49.4832, 47.7624, 55.9012

Trichromacy



Original Color

50.2320, 47.7784, 59.3980

Protanomaly

47.9818, 47.7598, 61.3332

Deuteranomaly

49.4374, 47.9684, 58.8778

Tritanomaly

49.7049, 47.8511, 57.0685

Monochromacy



Original Color

50.2320, 47.7784, 59.3980

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7604, 48.3801, 55.5362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2320, 47.7784, 59.3980 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(203, 176, 197)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 197)  
}
```

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(203, 176, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 197) }
```

Border

The CSS property to change the border of an element to XYZ 50.2320, 47.7784, 59.3980 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(203, 176, 197) }
```


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

```
.border{ border-color:rgb(203, 176, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 176, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 197);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2320, 47.7784, 59.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 197) }
```

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

```
.background{ background-color: rgb(203,  
176, 197) }
```

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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