

Converting Colors

XYZ(47.7379, 48.4708, 50.1969)

Have a look what the booklet for
XYZ(47.7379, 48.4708, 50.1969)
contains.

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Color

**XYZ(47.7311, 48.4869,
50.0232)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B6B4
RGB	196, 182, 180
RGB Percent	77%, 71%, 71%
CMY	0.2314, 0.2863, 0.2941
CMYK	0.00, 0.07, 0.08, 0.23
HSL	8°, 12%, 74%
HSV	8°, 8%, 77%
XYZ	47.7311, 48.4869, 50.0232
YIQ	185.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

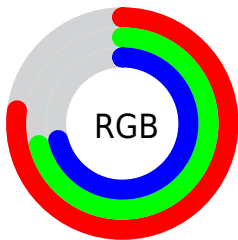
Format	Color
R_{YB}	196, 182, 180
Decimal	12891828
CIE _{Lab}	75.13, 4.62, 2.80
CIE _{LCh}	75, 5.402, 31.196
Yxy	48.4869, 0.3264, 0.3316
Android (android.graphics.Color)	4291081908 (0xFFC4B6B4)
YUV	185.9580, -2.9373, 8.8068
Hunter-Lab	69.6325, 0.4997, 6.1495

Details

The XYZ color **47.7311, 48.4869, 50.0232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.0779, 52.2715, 59.7806**, and the grayscale version is **46.6621, 49.0922, 53.4614**.

A 20% lighter version of the original color is **86.2229, 88.0878, 91.8151**, and **22.8364, 22.9836, 23.3113** is the 20% darker color. If you saturate the color by 10%, you get **42.5752, 41.1473, 39.1403**, and if you desaturate by 10%, it is **53.6021, 56.8036, 62.5387**.

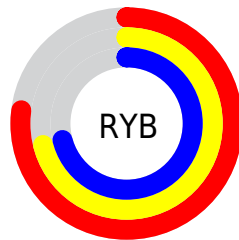
Distribution



Red (77%)

Green (71%)

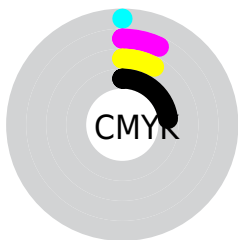
Blue (71%)



Red (77%)

Yellow (71%)

Blue (71%)

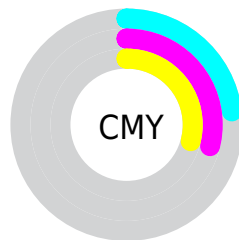


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (23%)



Cyan (23%)

Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7311, 48.4869, 50.0232 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 47.7311, 48.4869, 50.0232 by changing the saturation by 10% instead.

■ 47.7311, 48.4869,
50.0232

■ 47.7311, 48.4869,
50.0232

368.3256,
380.7188, 403.4943

■ 33.8244, 34.2126,
35.0605

■ 86.0160, 87.9289,
91.6059

■ 22.9209, 23.0570,
23.4256

111.1249,
113.8654, 119.0630

■ 14.6555, 14.6356,
14.6998

140.6986,
144.4582, 151.5220

■ 8.6627, 8.5640,
8.4647

175.1023,
180.0915, 189.4015

■ 4.5772, 4.4579,
4.3017

214.7016,
221.1499, 233.1199

■ 2.0336, 1.9329,
1.7923

259.8616,

■ 0.6527, 0.5680,

268.0176, 283.0958

0.4229

310.9479,
321.0791, 339.7478

■ 0.0000, 0.0000,
0.0000

■ 47.7311, 48.4869,
50.0232

■ 47.7311, 48.4869,
50.0232

■ 42.5752, 41.1473,
39.1403

■ 53.6021, 56.8036,
62.5387

■ 38.1030, 34.7429,
29.8196

■ 60.2098, 66.1248,
76.7469

■ 34.2870, 29.2378,
21.9902

■ 67.5802, 76.4848,
92.7089

■ 31.0959, 24.5917,
15.5746

■ 75.1839, 87.6933,
107.5716

■ 28.4962, 20.7611,
10.4882

■ 76.5752, 90.4759,
108.0354

■ 26.4510, 17.6987,
6.6374

■ 24.9193, 15.3523,
3.9163

■ 23.8541, 13.6629,
2.2011

■ 23.1929, 12.5597,
1.3053

Harmonies

Analogous

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



48.0127, 48.4869, 52.6804



47.7311, 48.4869, 50.0232



47.0076, 48.4869, 48.1643

Triad

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



47.7311, 48.4869, 50.0232



44.4391, 48.4869, 50.2134



46.1250, 48.4869, 58.4279

Complementary

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



47.7311, 48.4869, 50.0232



48.0779, 52.2715, 59.7806

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.



45.1752, 48.4869, 57.7112



47.7311, 48.4869, 50.0232



44.2103, 48.4869, 52.9077

Square

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



47.7311, 48.4869, 50.0232



45.1074, 48.4869, 48.2714



44.4779, 48.4869, 55.6653



47.0773, 48.4869, 57.5906

Rectangle

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



47.7311, 48.4869, 50.0232



46.3770, 48.4869, 47.5932



44.4779, 48.4869, 55.6653



45.7949, 48.4869, 58.3605

Sweetspot

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



47.7325, 48.4890, 50.0242



92.8328, 96.8623, 104.1638



48.8394, 48.2800, 57.8630



19.8933, 20.7654, 22.3449



0.0000, 0.0000, 0.0000



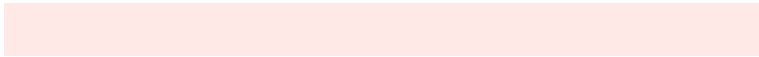
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7325, 48.4890, 50.0242



84.5048, 85.0492, 86.4576



49.3884, 51.8009, 50.5762



10.1726, 10.2766, 10.5093



14.8797, 8.0451, 0.7686



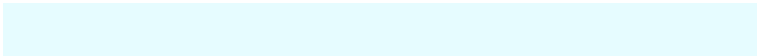
0.6771, 0.4159, 0.0446

Inverse Universe

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



48.0779, 52.2715, 59.7806



85.2727, 93.4601, 108.1530



46.3739, 48.8635, 59.2126



10.2575, 11.2062, 12.9072



15.8586, 21.4737, 36.8656



0.7160, 0.9893, 1.6031

Previews

White Background



This preview shows how the XYZ color 47.7311, 48.4869, 50.0232 looks on a white background.

Color Contrast Check

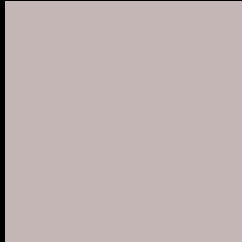
Large Text (above 18pt) WCAG AA × Fail

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 47.7311, 48.4869, 50.0232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

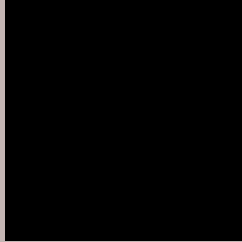
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7311, 48.4869, 50.0232

Background



This preview shows how black text looks on a background with the XYZ color 47.7311, 48.4869, 50.0232.



This preview shows how white text looks on a background with the XYZ color 47.7311, 48.4869,

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

47.7311, 48.4869, 50.0232

Protanopia

46.4672, 48.4360, 50.6161

Deuteranopia

49.3624, 48.4138, 50.4592



Tritanopia

49.3476, 48.5433, 57.8078

Trichromacy



Original Color

47.7311, 48.4869, 50.0232

Protanomaly

47.0122, 48.4096, 50.5822

Deuteranomaly

48.7491, 48.3962, 50.4881

Tritanomaly

48.7351, 48.5922, 54.9547

Monochromacy



Original Color

47.7311, 48.4869, 50.0232

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2359, 49.1058, 52.3362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7311, 48.4869, 50.0232 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(196, 182, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 182, 180)  
}
```

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(196, 182, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 182, 180) }
```

Border

The CSS property to change the border of an element to XYZ 47.7311, 48.4869, 50.0232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

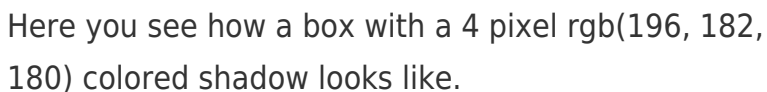
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 182, 180) }
```


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

```
.border{ border-color:rgb(196, 182, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 182, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 182, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 182, 180); box-shadow:4px 4px 4px 4px rgb(196, 182, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7311, 48.4869, 50.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 182, 180) }
```

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

```
.background{ background-color: rgb(196,  
182, 180) }
```

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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