

Converting Colors

XYZ(48.0497, 49.6080, 48.6378)

Have a look what the booklet for
XYZ(48.0497, 49.6080, 48.6378)
contains.

XYZ(48.0497, 49.6080, 48.6378)	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(48.0497, 49.6080,
48.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B9B1
RGB	196, 185, 177
RGB Percent	77%, 73%, 69%
CMY	0.2314, 0.2745, 0.3059
CMYK	0.00, 0.06, 0.10, 0.23
HSL	25°, 14%, 73%
HSV	25°, 10%, 77%
XYZ	48.0497, 49.6080, 48.6378
YIQ	187.3770, 9.1240, -0.1560

Conversions

Conversions Part 2

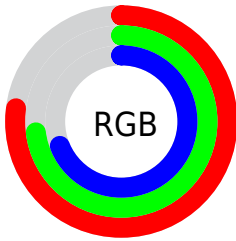
Format	Color
RYB	196, 191, 177
Decimal	12892593
CIELab	75.83, 2.50, 5.44
CIELCh	76, 5.985, 65.318
Yxy	49.6080, 0.3284, 0.3391
Android (android.graphics.Color)	4291082673 (0xFFC4B9B1)
YUV	187.3770, -5.1159, 7.5624
Hunter-Lab	70.4329, -1.4841, 8.3601

Details

The XYZ color **48.0497, 49.6080, 48.6378** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0783, 49.2982, 59.3119**, and the grayscale version is **47.4725, 49.9448, 54.3898**.

A 20% lighter version of the original color is **86.6713, 89.6764, 89.8320**, and **23.0447, 23.7085, 22.4304** is the 20% darker color. If you saturate the color by 10%, you get **43.9560, 44.3253, 38.3171**, and if you desaturate by 10%, it is **52.6162, 55.3861, 60.5016**.

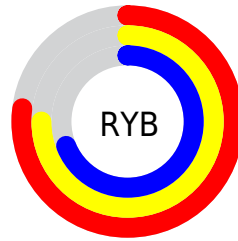
Distribution



Red (77%)

Green (73%)

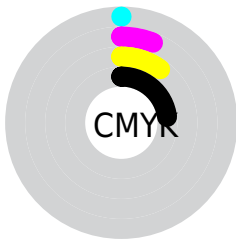
Blue (69%)



Red (77%)

Yellow (75%)

Blue (69%)

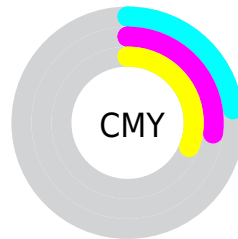


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (23%)



Cyan (23%)

Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0497, 49.6080, 48.6378 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 48.0497, 49.6080, 48.6378 by changing the saturation by 10% instead.

■ 48.0497, 49.6080,
48.6378

■ 48.0497, 49.6080,
48.6378

369.5684,
385.1310, 397.8961

■ 34.0777, 35.1020,
33.9687

■ 86.4876, 89.5938,
89.5287

■ 23.1164, 23.7415,
22.5924

111.6843,
115.8424, 116.5875

■ 14.8007, 15.1420,
14.0903

141.3531,
146.7740, 148.6133

■ 8.7650, 8.9191,
8.0441

175.8596,
182.7731, 186.0247

■ 4.6441, 4.6884,
4.0350

215.5690,
224.2239, 229.2401

■ 2.0726, 2.0656,
1.6446

260.8467,

■ 0.6742, 0.6452,

271.5109, 278.6781

0.3223

312.0580,
325.0184, 334.7572

■ 0.0000, 0.0000,
0.0000

■ 48.0497, 49.6080,
48.6378

■ 48.0497, 49.6080,
48.6378

■ 43.9560, 44.3253,
38.3171

■ 52.6162, 55.3861,
60.5016

■ 40.3146, 39.5178,
29.4723

■ 57.6668, 61.6659,
73.9658

■ 37.1095, 35.1735,
22.0356

■ 63.2175, 68.4621,
89.0885

■ 34.3224, 31.2774,
15.9328

■ 69.2177, 75.7609,
105.5829

■ 31.9331, 27.8136,
11.0828

■ 72.4849, 82.2954,
106.6720

■ 29.9197, 24.7651,
7.3956

■ 75.9615, 89.2485,
107.8308

■ 28.2576, 22.1134,
4.7687

■ 76.5752, 90.4759,
108.0354

■ 26.9187, 19.8380,
3.0816

■ 25.8550, 17.9102,
2.1116

Harmonies

Analogous

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



48.9177, 49.6080, 50.5503



48.0497, 49.6080, 48.6378



46.9529, 49.6080, 48.1422

Triad

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



48.0497, 49.6080, 48.6378



45.0532, 49.6080, 54.5844



48.3983, 49.6080, 59.1685

Complementary

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



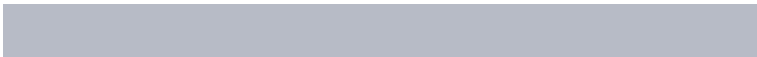
48.0497, 49.6080, 48.6378



46.0783, 49.2982, 59.3119

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.



47.3494, 49.6080, 60.3462



48.0497, 49.6080, 48.6378



45.4272, 49.6080, 57.6339

Square

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



48.0497, 49.6080, 48.6378



45.2341, 49.6080, 51.4970



46.2634, 49.6080, 59.7739



49.1212, 49.6080, 56.6131

Rectangle

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



48.0497, 49.6080, 48.6378



46.2422, 49.6080, 48.6646



46.2634, 49.6080, 59.7739



48.0715, 49.6080, 59.7431

Sweetspot

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



48.0511, 49.6102, 48.6389



92.4464, 96.7246, 102.0764



47.5738, 46.8152, 54.1535



19.6413, 20.5187, 21.4679



0.0000, 0.0000, 0.0000



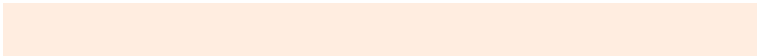
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0511, 49.6102, 48.6389



85.1171, 87.4001, 83.1895



50.0859, 53.6799, 49.3172



10.4141, 10.7596, 10.5898



16.6749, 11.6356, 1.3670



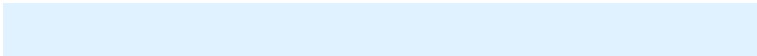
0.7886, 0.6389, 0.0818

Inverse Universe

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



46.0783, 49.2982, 59.3119



80.6994, 86.7010, 107.0894



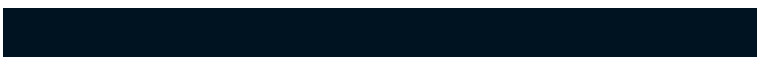
44.1327, 45.4068, 58.6634



10.0015, 10.6944, 12.8219



10.3145, 10.3855, 35.0176



0.5126, 0.5827, 1.5353

Previews

White Background



This preview shows how the XYZ color 48.0497, 49.6080, 48.6378 looks on a white background.

Color Contrast Check

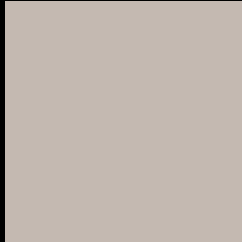
Large Text (above 18pt) WCAG AA × Fail

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 48.0497, 49.6080, 48.6378 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 48.0497, 49.6080, 48.6378

Background



This preview shows how black text looks on a background with the XYZ color 48.0497, 49.6080, 48.6378.

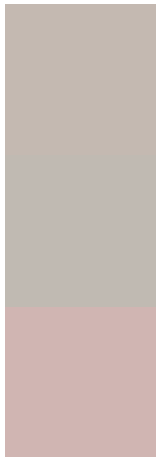


This preview shows how white text looks on a background with the XYZ color 48.0497, 49.6080,

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

48.0497, 49.6080, 48.6378

Protanopia

47.3330, 49.5386, 49.1867

Deuteranopia

50.5722, 49.6720, 49.0417



Tritanopia

50.2449, 49.5835, 59.1469

Trichromacy



Original Color

48.0497, 49.6080, 48.6378

Protanomaly

47.5871, 49.6696, 49.1986

Deuteranomaly

49.6657, 49.5076, 49.0577

Tritanomaly

49.4075, 49.5469, 55.1036

Monochromacy



Original Color

48.0497, 49.6080, 48.6378

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3414, 49.4839, 51.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0497, 49.6080, 48.6378 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, 185, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 185, 177)  
}
```

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, 185, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 185, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.0497, 49.6080, 48.6378 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, 185, 177) }
```


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

```
.border{ border-color:rgb(196, 185, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 185, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 185, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 185, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 185,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0497, 49.6080, 48.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 185, 177) }
```

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

```
.background{ background-color: rgb(196,  
185, 177) }
```

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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