

Converting Colors

XYZ(48.4833, 47.3320, 45.4312)

Have a look what the booklet for
XYZ(48.4833, 47.3320, 45.4312)
contains.

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Color

**XYZ(48.6221, 47.5447,
45.6441)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB1AC
RGB	206, 177, 172
RGB Percent	81%, 69%, 67%
CMY	0.1922, 0.3059, 0.3255
CMYK	0.00, 0.14, 0.17, 0.19
HSL	9°, 26%, 74%
HSV	9°, 17%, 81%
XYZ	48.6221, 47.5447, 45.6441
YIQ	185.1010, 18.8890, 4.5930

Conversions

Conversions Part 2

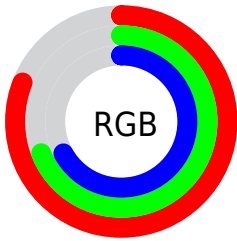
Format	Color
R _Y B	206, 178, 172
Decimal	13545900
CIE Lab	74.54, 9.64, 6.42
CIE LCh	75, 11.580, 33.644
Yxy	47.5447, 0.3429, 0.3353
Android (android.graphics.Color)	4291735980 (0xFFCEB1AC)
YUV	185.1010, -6.4588, 18.3284
Hunter-Lab	68.9527, 5.2024, 9.0191

Details

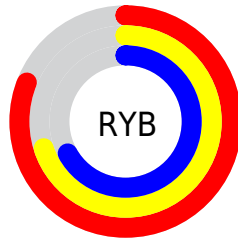
The XYZ color **48.6221, 47.5447, 45.6441** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.0400, 54.9987, 66.4239**, and the grayscale version is **46.1988, 48.6048, 52.9306**.

A 20% lighter version of the original color is **84.2440, 85.0839, 84.6557**, and **23.3603, 22.3507, 20.8522** is the 20% darker color. If you saturate the color by 10%, you get **43.5457, 40.3162, 34.9360**, and if you desaturate by 10%, it is **54.4546, 55.7937, 58.1184**.

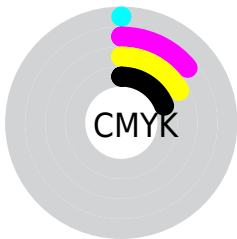
Distribution



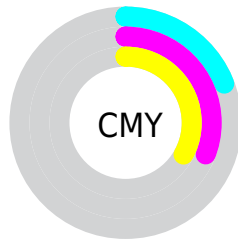
- Red (81%)
- Green (69%)
- Blue (67%)



- Red (81%)
- Yellow (70%)
- Blue (67%)



- Cyan (0%)
- Magenta (14%)
- Yellow (17%)
- Black (19%)





- Cyan (19%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6221, 47.5447, 45.6441 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 48.6221, 47.5447, 45.6441 by changing the saturation by 10% instead.


 48.6221, 47.5447,
45.6441

 48.6221, 47.5447,
45.6441


371.7944,
376.9846, 385.6119

 34.5331, 33.4665,
31.6184

 87.3340, 86.5261,
85.0148

 23.4683, 22.4840,
20.8078


112.6877,
112.1981, 111.1969

 15.0622, 14.2130,
12.7937


142.5269,
142.5034, 142.2682

 8.9497, 8.2690,
7.1576

177.2171,
177.8266, 178.6472

 4.7652, 4.2675,
3.4809

217.1236,
218.5518, 220.7526

 2.1435, 1.8243,
1.3451

262.6117,

 0.7127, 0.5023,

265.0637, 269.0028

0.0984

314.0469,
317.7465, 323.8164

0.0000, 0.0000,
0.0000

48.6221, 47.5447,
45.6441

48.6221, 47.5447,
45.6441

43.5457, 40.3162,
34.9360

54.4546, 55.7937,
58.1184

39.1905, 34.0622,
25.9113

61.0684, 65.0940,
72.4306

35.5246, 28.7429,
18.4849

68.4925, 75.4831,
88.6522

32.5121, 24.3130,
12.5634

76.7533, 86.9949,
106.8497

30.1140, 20.7237,
8.0433

79.2637, 91.8619,
108.1612

■ 28.2869, 17.9213,
4.8082

■ 26.9814, 15.8457,
2.7226

■ 26.1381, 14.4274,
1.6139

■ 25.9261, 14.0666,
1.3487

Harmonies

Analogous

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



49.3244, 47.5447, 51.0394



48.6221, 47.5447, 45.6441



46.9993, 47.5447, 42.1160

Triad

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



48.6221, 47.5447, 45.6441



41.6803, 47.5447, 46.8200



45.4459, 47.5447, 64.1376

Complementary

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



48.6221, 47.5447, 45.6441



49.0400, 54.9987, 66.4239

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.



43.4273, 47.5447, 62.7925



48.6221, 47.5447, 45.6441



41.2930, 47.5447, 52.5037

Square

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



48.6221, 47.5447, 45.6441



42.9976, 47.5447, 42.7573



41.9230, 47.5447, 58.4167



47.4553, 47.5447, 61.9635

Rectangle

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



48.6221, 47.5447, 45.6441



45.6366, 47.5447, 41.1417



41.9230, 47.5447, 58.4167



44.7459, 47.5447, 64.0828

Sweetspot

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



48.6234, 47.5468, 45.6451



89.6934, 92.4634, 97.3213



50.8041, 46.8665, 61.9154



19.0426, 19.5718, 20.4957



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.



48.6234, 47.5468, 45.6451



75.5593, 72.4601, 67.1305



52.0885, 54.4770, 46.8001



11.3434, 11.4757, 11.6966



16.0084, 8.7497, 0.8451



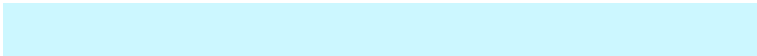
0.8697, 0.5390, 0.0582

Inverse Universe

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



49.0400, 54.9987, 66.4239



76.3638, 86.8813, 107.3527



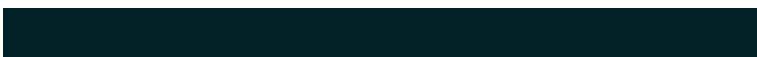
45.3920, 47.7026, 65.2079



11.3971, 12.4347, 14.3698



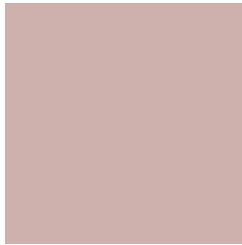
16.4373, 21.8986, 39.3168



0.8873, 1.2083, 2.0414

Previews

White Background



This preview shows how the XYZ color 48.6221, 47.5447, 45.6441 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 48.6221, 47.5447, 45.6441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

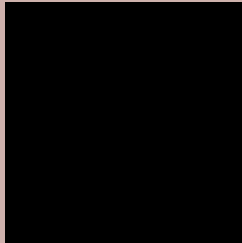
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6221, 47.5447, 45.6441

Background



This preview shows how black text looks on a background with the XYZ color 48.6221, 47.5447, 45.6441.



This preview shows how white text looks on a background with the XYZ color 48.6221, 47.5447,

45.6441.

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

48.6221, 47.5447, 45.6441

Protanopia

45.6576, 47.7809, 47.3737

Deuteranopia

48.6221, 47.5447, 45.6441



Tritanopia

50.4195, 47.7007, 54.1267

Trichromacy



Original Color

48.6221, 47.5447, 45.6441

Protanomaly

46.6695, 47.7058, 46.7928

Deuteranomaly

48.6221, 47.5447, 45.6441

Tritanomaly

49.7010, 47.6935, 50.8422

Monochromacy



Original Color

48.6221, 47.5447, 45.6441

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9585, 48.0886, 49.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6221, 47.5447, 45.6441 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(206, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(206, 177, 172)  
}
```

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(206, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 177, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.6221, 47.5447, 45.6441 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(206, 177, 172) }
```


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

```
.border{ border-color:rgb(206, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(206, 177,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6221, 47.5447, 45.6441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 177, 172) }
```

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

```
.background{ background-color: rgb(206,  
177, 172) }
```

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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