

Converting Colors

XYZ(48.4417, 49.5505, 45.0339)

Have a look what the booklet for
XYZ(48.4417, 49.5505, 45.0339)
contains.

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Color

**XYZ(48.4836, 49.6008,
45.0488)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B8AA
RGB	201, 184, 170
RGB Percent	79%, 72%, 67%
CMY	0.2118, 0.2784, 0.3333
CMYK	0.00, 0.08, 0.15, 0.21
HSL	27°, 22%, 73%
HSV	27°, 15%, 79%
XYZ	48.4836, 49.6008, 45.0488
YIQ	187.4870, 14.6260, -0.7500

Conversions

Conversions Part 2

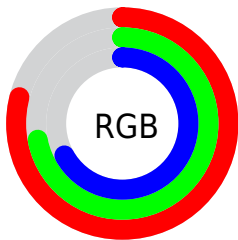
Format	Color
RYB	201, 196, 170
Decimal	13220010
CIELab	75.82, 3.71, 9.29
CIELCh	76, 10.002, 68.206
Yxy	49.6008, 0.3387, 0.3465
Android (android.graphics.Color)	4291410090 (0xFFC9B8AA)
YUV	187.4870, -8.6211, 11.8509
Hunter-Lab	70.4278, -0.3666, 11.3749

Details

The XYZ color **48.4836, 49.6008, 45.0488** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8903, 48.3027, 62.2161**, and the grayscale version is **47.5518, 50.0282, 54.4807**.

A 20% lighter version of the original color is **85.9907, 89.0164, 83.8839**, and **23.4189, 23.7436, 20.4882** is the 20% darker color. If you saturate the color by 10%, you get **44.5253, 44.4978, 35.0548**, and if you desaturate by 10%, it is **52.9137, 55.1812, 56.6356**.

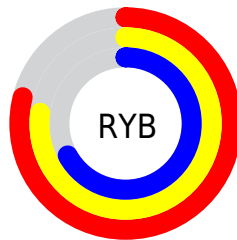
Distribution



Red (79%)

Green (72%)

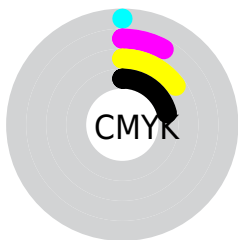
Blue (67%)



Red (79%)

Yellow (77%)

Blue (67%)

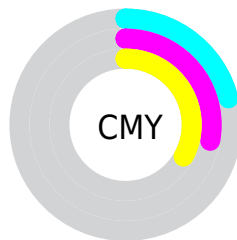


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (21%)



Cyan (21%)


Magenta (28%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4836, 49.6008, 45.0488 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 48.4836, 49.6008, 45.0488 by changing the saturation by 10% instead.


 48.4836, 49.6008,
45.0488

 48.4836, 49.6008,
45.0488

371.2566,
385.1028, 383.1371

 34.4229, 35.0963,
31.1526


 87.1293, 89.5831,
84.1129

 23.3831, 23.7371,
20.4557


112.4451,
115.8297, 110.1178

 14.9989, 15.1387,
12.5393


142.2432,
146.7592, 140.9962

 8.9049, 8.9168,
6.9851

176.8890,
182.7559, 177.1664

 4.7358, 4.6869,
3.3745

216.7479,
224.2042, 219.0471

 2.1263, 2.0648,
1.2889

262.1852,

 0.7034, 0.6447,

271.4885, 267.0567

0.0527

313.5663,
324.9932, 321.6138

■ 0.0000, 0.0000,
0.0000

■ 48.4836, 49.6008,
45.0488

■ 48.4836, 49.6008,
45.0488

■ 44.5253, 44.4978,
35.0548

■ 52.9137, 55.1812,
56.6356

■ 41.0177, 39.8523,
26.5796

■ 57.8278, 61.2452,
69.8782

■ 37.9435, 35.6524,
19.5485

■ 63.2426, 67.8071,
84.8401

■ 35.2832, 31.8832,
13.8785

■ 69.1729, 74.8787,
101.5804

■ 33.0151, 28.5289,
9.4787

■ 73.0349, 81.4323,
106.4764

■ 31.1153, 25.5725,
6.2463

■ 76.3622, 88.0868,
107.5855

■ 29.5567, 22.9950,
4.0627

■ 77.8976, 91.1576,
108.0973

■ 28.3067, 20.7752,
2.7823

■ 27.8116, 19.8656,
2.3686

Harmonies

Analogous

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



50.0089, 49.6008, 47.9199



48.4836, 49.6008, 45.0488



46.6358, 49.6008, 44.4956

Triad

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



48.4836, 49.6008, 45.0488



43.6942, 49.6008, 55.4811



49.3894, 49.6008, 62.4565

Complementary

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



48.4836, 49.6008, 45.0488



44.8903, 48.3027, 62.2161

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.



47.6561, 49.6008, 64.7852



48.4836, 49.6008, 45.0488



44.3908, 49.6008, 60.5885

Square

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



48.4836, 49.6008, 45.0488



43.9026, 49.6008, 50.2948



45.8294, 49.6008, 64.0800



50.5413, 49.6008, 57.8972

Rectangle

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



48.4836, 49.6008, 45.0488



45.4748, 49.6008, 45.4789



45.8294, 49.6008, 64.0800



48.8537, 49.6008, 63.5393

Sweetspot

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



48.4849, 49.6030, 45.0499



90.8750, 94.8266, 97.7151



47.4377, 44.7576, 53.1812



19.3291, 20.1449, 20.5912



0.0000, 0.0000, 0.0000



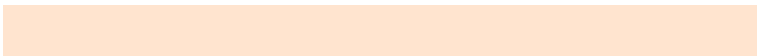
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4849, 49.6030, 45.0499



80.3113, 81.4705, 70.2360



51.8707, 56.3745, 46.1784



11.0218, 11.4128, 11.1847



17.5756, 12.6684, 1.5189



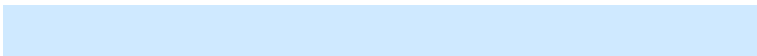
0.9043, 0.7441, 0.0960

Inverse Universe

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



44.8903, 48.3027, 62.2161



72.8275, 78.7626, 105.9720



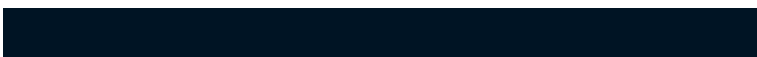
41.7879, 42.0979, 61.1820



10.5305, 11.2352, 13.5311



10.2409, 9.8758, 36.1108



0.5566, 0.6109, 1.7337

Previews

White Background



This preview shows how the XYZ color 48.4836, 49.6008, 45.0488 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 48.4836, 49.6008, 45.0488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

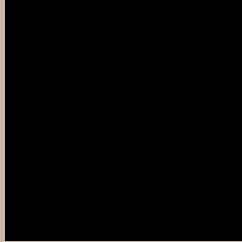
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4836, 49.6008, 45.0488

Background



This preview shows how black text looks on a background with the XYZ color 48.4836, 49.6008, 45.0488.



This preview shows how white text looks on a background with the XYZ color 48.4836, 49.6008,

45.0488.

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

48.4836, 49.6008, 45.0488

Protanopia

47.1577, 49.5274, 45.6023

Deuteranopia

50.5359, 49.4317, 45.4058



Tritanopia

51.0734, 49.4200, 58.4769

Trichromacy



Original Color

48.4836, 49.6008, 45.0488

Protanomaly

47.7256, 49.5085, 45.5688

Deuteranomaly

49.6067, 49.2534, 45.4204

Tritanomaly

50.0154, 49.2894, 53.3321

Monochromacy



Original Color

48.4836, 49.6008, 45.0488

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6376, 49.6605, 50.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4836, 49.6008, 45.0488 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(201, 184, 170)` looks like.

```
.text, #text, p{  
    color:rgb(201, 184, 170)  
}
```

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(201, 184, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 184, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.4836, 49.6008, 45.0488 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(201, 184, 170) }
```


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

```
.border{ border-color:rgb(201, 184, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 184, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 184, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 184, 170);  
box-shadow:4px 4px 4px 4px rgb(201, 184,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4836, 49.6008, 45.0488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 184, 170) }
```

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

```
.background{ background-color: rgb(201,  
184, 170) }
```

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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