

Converting Colors

XYZ(47.0581, 48.5516, 49.8832)

Have a look what the booklet for
XYZ(47.0581, 48.5516, 49.8832)
contains.

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Color

**XYZ(46.9099, 48.3687,
50.0437)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B7B4
RGB	192, 183, 180
RGB Percent	75%, 72%, 71%
CMY	0.2471, 0.2823, 0.2941
CMYK	0.00, 0.05, 0.06, 0.25
HSL	15°, 9%, 73%
HSV	15°, 6%, 75%
XYZ	46.9099, 48.3687, 50.0437
YIQ	185.3490, 6.3270, 0.9750

Conversions

Conversions Part 2

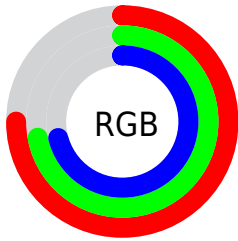
Format	Color
RYB	192, 184, 180
Decimal	12629940
CIELab	75.06, 2.65, 2.65
CIELCh	75, 3.746, 45.012
Yxy	48.3687, 0.3228, 0.3328
Android (android.graphics.Color)	4290820020 (0xFFC0B7B4)
YUV	185.3490, -2.6371, 5.8329
Hunter-Lab	69.5476, -1.3100, 6.0206

Details

The XYZ color **46.9099, 48.3687, 50.0437** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5343, 49.9034, 57.0494**, and the grayscale version is **46.3213, 48.7336, 53.0709**.

A 20% lighter version of the original color is **84.7182, 87.7456, 91.8283**, and **22.4609, 22.9865, 23.3317** is the 20% darker color. If you saturate the color by 10%, you get **42.2695, 42.0038, 39.5061**, and if you desaturate by 10%, it is **52.1277, 55.4535, 62.1117**.

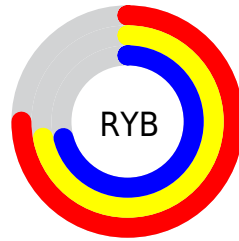
Distribution



Red (75%)

Green (72%)

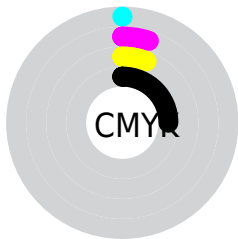
Blue (71%)



Red (75%)

Yellow (72%)

Blue (71%)

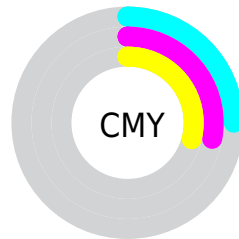


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (28%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9099, 48.3687, 50.0437 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 46.9099, 48.3687, 50.0437 by changing the saturation by 10% instead.

■ 46.9099, 48.3687,
50.0437

■ 46.9099, 48.3687,
50.0437

365.1097,
380.2517, 403.5768

■ 33.1721, 34.1190,
35.0767

■ 84.7987, 87.7531,
91.6366

■ 22.4182, 22.9850,
23.4379

109.6803,
113.6566, 119.0996

■ 14.2828, 14.5824,
14.7089

139.0073,
144.2134, 151.5649

■ 8.4006, 8.5269,
8.4710

173.1450,
179.8080, 189.4513

■ 4.4063, 4.4339,
4.3057

212.4587,
220.8247, 233.1771

■ 1.9345, 1.9191,
1.7945

257.3139,

■ 0.5967, 0.5598,

267.6480, 283.1609

0.4243

308.0757,
320.6622, 339.8213

■ 0.0000, 0.0000,
0.0000

■ 46.9099, 48.3687,
50.0437

■ 46.9099, 48.3687,
50.0437

■ 42.2695, 42.0038,
39.5061

■ 52.1277, 55.4535,
62.1117

■ 38.1822, 36.3300,
30.4344

■ 57.9380, 63.2736,
75.7648

■ 34.6281, 31.3255,
22.7642

■ 64.3602, 71.8515,
91.0590

■ 31.5844, 26.9653,
16.4251

■ 71.1205, 81.0907,
106.5114

■ 29.0266, 23.2224,
11.3402

■ 75.5414, 89.9324,
107.9850

■ 26.9280, 20.0684,
7.4251

■ 75.5485, 89.9466,
107.9873

■ 25.2594, 17.4719,
4.5848

■ 23.9873, 15.3988,
2.7089

■ 23.0718, 13.8101,
1.6564

Harmonies

Analogous

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



47.2562, 48.3687, 51.6948



46.9099, 48.3687, 50.0437



46.3143, 48.3687, 49.1069

Triad

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



46.9099, 48.3687, 50.0437



44.7131, 48.3687, 51.6963



46.3148, 48.3687, 56.3911

Complementary

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



46.9099, 48.3687, 50.0437



46.5343, 49.9034, 57.0494

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.



45.6334, 48.3687, 56.3916



46.9099, 48.3687, 50.0437



44.7132, 48.3687, 53.6479

Square

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



46.9099, 48.3687, 50.0437



45.0483, 48.3687, 50.0448



45.0487, 48.3687, 55.3769



46.9103, 48.3687, 55.3757

Rectangle

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



46.9099, 48.3687, 50.0437



45.8581, 48.3687, 48.9983



45.0487, 48.3687, 55.3769



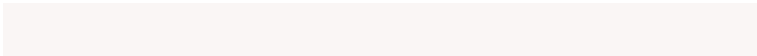
46.0881, 48.3687, 56.5108

Sweetspot

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



46.9113, 48.3708, 50.0447



88.8573, 92.8967, 99.5554



47.2454, 47.5238, 54.8276



19.0835, 19.9575, 21.4056



92.9021, 97.7402, 106.4391



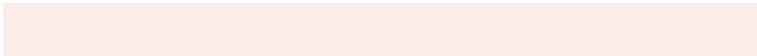
19.4759, 20.4902, 22.3138

Same Dimension

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



46.9113, 48.3708, 50.0447



84.2339, 86.5989, 88.9231



48.1746, 50.8976, 50.4659



10.4771, 10.7569, 11.0079



15.3933, 9.0724, 0.9398



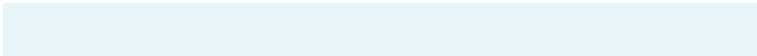
0.7221, 0.5059, 0.0596

Inverse Universe

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



46.5343, 49.9034, 57.0494



83.4611, 89.7408, 103.2831



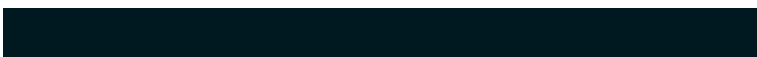
45.2710, 47.3767, 56.6283



10.3756, 11.1696, 12.8939



13.1719, 16.1004, 35.9701



0.6211, 0.7996, 1.5715

Previews

White Background



This preview shows how the XYZ color 46.9099, 48.3687, 50.0437 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 46.9099, 48.3687, 50.0437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

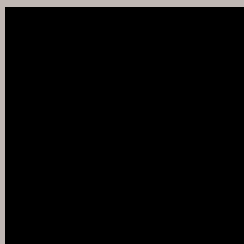
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

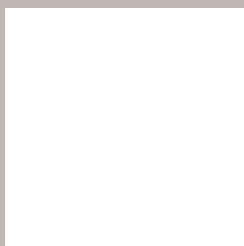
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9099, 48.3687, 50.0437

Background



This preview shows how black text looks on a background with the XYZ color 46.9099, 48.3687, 50.0437.



This preview shows how white text looks on a background with the XYZ color 46.9099, 48.3687,

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

46.9099, 48.3687, 50.0437

Protanopia

46.4672, 48.4360, 50.6161

Deuteranopia

49.3624, 48.4138, 50.4592



Tritanopia

48.6223, 48.4572, 58.4203

Trichromacy



Original Color

46.9099, 48.3687, 50.0437

Protanomaly

46.7162, 48.5643, 50.6277

Deuteranomaly

48.4812, 48.2581, 50.4756

Tritanomaly

48.0145, 48.5111, 55.5481

Monochromacy



Original Color

46.9099, 48.3687, 50.0437

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4268, 48.3912, 51.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9099, 48.3687, 50.0437 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(192, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(192, 183, 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(192, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 183, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.9099, 48.3687, 50.0437 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(192, 183, 180) }
```


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

```
.border{ border-color:rgb(192, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(192, 183,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9099, 48.3687, 50.0437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 183, 180) }
```

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

```
.background{ background-color: rgb(192,  
183, 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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