

Converting Colors

XYZ(46.2499, 48.5167, 49.2614)

Have a look what the booklet for
XYZ(46.2499, 48.5167, 49.2614)
contains.

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Color

**XYZ(46.3711, 48.7311,
49.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB9B2
RGB	189, 185, 178
RGB Percent	74%, 73%, 70%
CMY	0.2588, 0.2745, 0.3020
CMYK	0.00, 0.02, 0.06, 0.26
HSL	38°, 8%, 72%
HSV	38°, 6%, 74%
XYZ	46.3711, 48.7311, 49.0815
YIQ	185.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

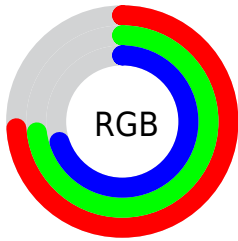
Format	Color
RYB	184, 189, 178
Decimal	12433842
CIELab	75.28, 0.15, 4.04
CIELCh	75, 4.039, 87.845
Yxy	48.7311, 0.3216, 0.3380
Android (android.graphics.Color)	4290623922 (0xFFBDB9B2)
YUV	185.3980, -3.6472, 3.1590
Hunter-Lab	69.8077, -3.5913, 7.1788

Details

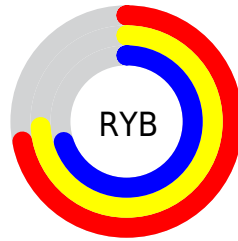
The XYZ color **46.3711, 48.7311, 49.0815** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.2733, 46.5942, 54.8048**, and the grayscale version is **46.3548, 48.7688, 53.1092**.

A 20% lighter version of the original color is **83.9628, 88.2636, 90.4532**, and **22.1063, 23.2174, 22.7183** is the 20% darker color. If you saturate the color by 10%, you get **43.2012, 45.2214, 39.2986**, and if you desaturate by 10%, it is **49.8746, 52.4884, 60.2667**.

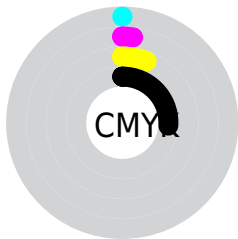
Distribution



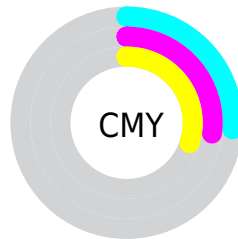
- Red (74%)
- Green (73%)
- Blue (70%)



- Red (72%)
- Yellow (74%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3711, 48.7311, 49.0815 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 46.3711, 48.7311, 49.0815 by changing the saturation by 10% instead.

■ 46.3711, 48.7311,
49.0815

■ 46.3711, 48.7311,
49.0815

362.9896,
381.6828, 399.6948

■ 32.7446, 34.4062,
34.3181

■ 83.9986, 88.2919,
90.1947

■ 22.0892, 23.2058,
22.8587

108.7303,
114.2967, 117.3816

■ 14.0394, 14.7456,
14.2849

137.8945,
144.9635, 149.5467

■ 8.2300, 8.6410,
8.1781

171.8564,
180.6769, 187.1086

■ 4.2955, 4.5078,
4.1197

210.9816,
221.8210, 230.4858

■ 1.8706, 1.9615,
1.6912

255.6352,

■ 0.5597, 0.5849,

268.7805, 280.0969

0.3547

306.1828,
321.9396, 336.3604

■ 0.0000, 0.0000,
0.0000

■ 46.3711, 48.7311,
49.0815

■ 46.3711, 48.7311,
49.0815

■ 43.2012, 45.2214,
39.2986

■ 49.8746, 52.4884,
60.2667

■ 40.3492, 41.9468,
30.8587

■ 53.7187, 56.4929,
72.9042

■ 37.8042, 38.9028,
23.7026

■ 57.9150, 60.7523,
87.0454

■ 35.5529, 36.0827,
17.7657

■ 62.4736, 65.2721,
102.7380

■ 33.5811, 33.4789,
12.9775

■ 64.4563, 68.8784,
104.5054

■ 31.8728, 31.0834,
9.2604

■ 66.2885, 72.5429,
105.1162

■ 30.4106, 28.8876,
6.5270

■ 68.1956, 76.3570,
105.7518

■ 29.1742, 26.8815,
4.6758

■ 70.1783, 80.3225,
106.4127

■ 28.1382, 25.0531,
3.5796

■ 72.2375, 84.4409,
107.0991

Harmonies

Analogous

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



47.0807, 48.7311, 49.6760



46.3711, 48.7311, 49.0815



45.6544, 48.7311, 49.5292

Triad

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



46.3711, 48.7311, 49.0815



45.0676, 48.7311, 54.9909



47.5356, 48.7311, 55.2638

Complementary

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



46.3711, 48.7311, 49.0815



44.2733, 46.5942, 54.8048

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.



46.9869, 48.7311, 56.7545



46.3711, 48.7311, 49.0815



45.5625, 48.7311, 56.5940

Square

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



46.3711, 48.7311, 49.0815



44.9066, 48.7311, 52.9064



46.2638, 48.7311, 57.2476



47.7575, 48.7311, 53.2136

Rectangle

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



46.3711, 48.7311, 49.0815



45.2680, 48.7311, 50.3652



46.2638, 48.7311, 57.2476



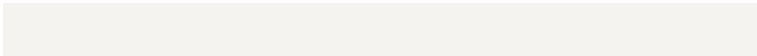
47.3829, 48.7311, 55.8490

Sweetspot

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



46.3725, 48.7332, 49.0826



85.3573, 89.7760, 95.1930



45.3542, 46.0391, 50.7707



18.3696, 19.3209, 20.5152



90.7827, 95.5105, 104.0109



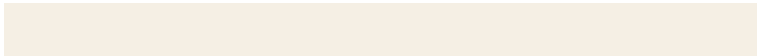
18.6292, 19.5994, 21.3438

Same Dimension

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



46.3725, 48.7332, 49.0826



82.2854, 86.4433, 85.5028



46.8583, 50.2423, 49.3482



10.1575, 10.6696, 10.4986



18.7410, 16.5208, 2.2011



0.7942, 0.7674, 0.1063

Inverse Universe

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



44.2733, 46.5942, 54.8048



77.7307, 81.8023, 97.9188



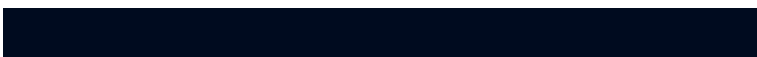
43.8048, 45.1551, 54.5517



9.5660, 10.0669, 12.1111



7.6651, 5.4420, 33.0393



0.3631, 0.3389, 1.3151

Previews

White Background



This preview shows how the XYZ color 46.3711, 48.7311, 49.0815 looks on a white background.

Color Contrast Check

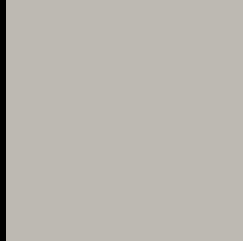
Large Text (above 18pt) WCAG AA × Fail

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 46.3711, 48.7311, 49.0815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

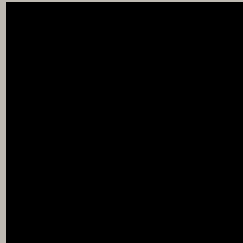
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3711, 48.7311, 49.0815

Background



This preview shows how black text looks on a background with the XYZ color 46.3711, 48.7311, 49.0815.



This preview shows how white text looks on a background with the XYZ color 46.3711, 48.7311,

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

46.3711, 48.7311, 49.0815

Protanopia

46.6200, 48.8594, 49.0932

Deuteranopia

49.7104, 48.6167, 49.4118



Tritanopia

48.5442, 48.6936, 59.6636

Trichromacy



Original Color

46.3711, 48.7311, 49.0815

Protanomaly

46.6200, 48.8594, 49.0932

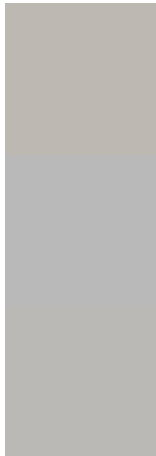
Deuteranomaly

48.4800, 48.5818, 49.4699

Tritanomaly

47.7136, 48.6610, 55.5929

Monochromacy



Original Color

46.3711, 48.7311, 49.0815

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0422, 48.5144, 51.1935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3711, 48.7311, 49.0815 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(189, 185, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 178)  
}
```

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(189, 185, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.3711, 48.7311, 49.0815 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(189, 185, 178) }
```


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

```
.border{ border-color:rgb(189, 185, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3711, 48.7311, 49.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 178) }
```

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

```
.background{ background-color: rgb(189,  
185, 178) }
```

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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