

Converting Colors

XYZ(46.3619, 43.6590, 47.2560)

Have a look what the booklet for
XYZ(46.3619, 43.6590, 47.2560)
contains.

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Color

**XYZ(46.4677, 43.8364,
47.0864)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA8B0
RGB	203, 168, 176
RGB Percent	80%, 66%, 69%
CMY	0.2039, 0.3412, 0.3098
CMYK	0.00, 0.17, 0.13, 0.20
HSL	346°, 25%, 73%
HSV	346°, 17%, 80%
XYZ	46.4677, 43.8364, 47.0864
YIQ	179.3770, 18.2920, 9.9080

Conversions

Conversions Part 2

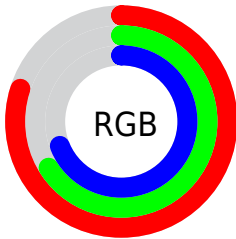
Format	Color
R _Y B	203, 168, 176
Decimal	13346992
CIE Lab	72.12, 14.07, 0.69
CIE LCh	72, 14.083, 2.794
Yxy	43.8364, 0.3382, 0.3191
Android (android.graphics.Color)	4291537072 (0xFFCBA8B0)
YUV	179.3770, -1.6649, 20.7174
Hunter-Lab	66.2091, 9.4113, 4.1806

Details

The XYZ color **46.4677, 43.8364, 47.0864** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.3565, 54.9779, 59.7484**, and the grayscale version is **43.0517, 45.2937, 49.3249**.

A 20% lighter version of the original color is **82.1932, 79.8615, 87.4267**, and **22.2779, 20.3356, 21.8198** is the 20% darker color. If you saturate the color by 10%, you get **41.5474, 36.3339, 38.2369**, and if you desaturate by 10%, it is **52.1544, 52.5844, 57.0745**.

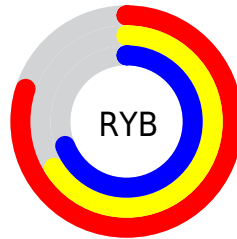
Distribution



Red (80%)

Green (66%)

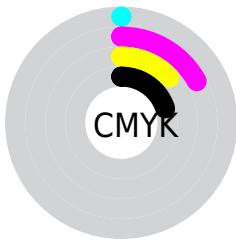
Blue (69%)



Red (80%)

Yellow (66%)

Blue (69%)

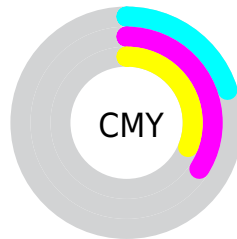


Cyan (0%)

Magenta (17%)

Yellow (13%)

Black (20%)



Cyan (20%)

Magenta (34%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4677, 43.8364, 47.0864 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 46.4677, 43.8364, 47.0864 by changing the saturation by 10% instead.


 46.4677, 43.8364,
47.0864


 46.4677, 43.8364,
47.0864


363.3703,
362.0403, 391.5630

 32.8212, 30.5419,
32.7491

 84.1421, 80.9715,
87.1939

 22.1481, 20.2503,
21.6648


 108.9008,
105.5809, 113.8012

 14.0830, 12.5771,
13.4148


138.0942,
134.7308, 145.3356

 8.2605, 7.1380,
7.5808

172.0877,
168.8054, 182.2157

 4.3153, 3.5485,
3.7440

211.2467,
208.1893, 224.8599

 1.8820, 1.4244,
1.4860

255.9366,

 0.5663, 0.2346,

253.2668, 273.6868

0.2074

306.5227,
304.4223, 329.1150

■ 0.0000, 0.0000,
0.0000

■ 46.4677, 43.8364,
47.0864

■ 46.4677, 43.8364,
47.0864

■ 41.5474, 36.3339,
38.2369

■ 52.1544, 52.5844,
57.0745

■ 37.3566, 30.0146,
30.4824

■ 58.6347, 62.6249,
68.2372

■ 33.8609, 24.8193,
23.7803

■ 65.9393, 74.0098,
80.6124

■ 31.0218, 20.6817,
18.0844

■ 74.0960, 86.7862,
94.2353

■ 28.7967, 17.5283,
13.3448

■ 78.3279, 91.3922,
107.5385

■ 27.1379, 15.2763,
9.5070

■ 78.4388, 91.4366,
108.1226

■ 25.9903, 13.8289,
6.5108

■ 25.2807, 13.0547,
4.2856

■ 25.1295, 12.8969,
3.7894

Harmonies

Analogous

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



45.9243, 43.8364, 54.0595



46.4677, 43.8364, 47.0864



45.6837, 43.8364, 40.8965

Triad

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



46.4677, 43.8364, 47.0864



39.2051, 43.8364, 37.4197



39.5820, 43.8364, 60.5346

Complementary

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



46.4677, 43.8364, 47.0864



47.3565, 54.9779, 59.7484

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.



37.8895, 43.8364, 55.2861



46.4677, 43.8364, 47.0864



37.6779, 43.8364, 41.9156

Square

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



46.4677, 43.8364, 47.0864



41.4397, 43.8364, 35.6628



37.2055, 43.8364, 48.3802



41.8915, 43.8364, 62.2527

Rectangle

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



46.4677, 43.8364, 47.0864



44.5309, 43.8364, 37.9203



37.2055, 43.8364, 48.3802



38.9251, 43.8364, 59.1013

Sweetspot

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



46.4689, 43.8384, 47.0873



89.5730, 91.5157, 99.4602



47.2462, 43.8991, 62.4836



19.0135, 19.3426, 21.0134



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.



46.4689, 43.8384, 47.0873



74.3292, 68.0824, 72.6316



47.4860, 47.1016, 43.6370



11.3156, 11.2550, 12.1964



16.0213, 8.2191, 2.5649



0.8565, 0.4360, 0.2900

Inverse Universe

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



46.4689, 43.8384, 47.0873



74.3292, 68.0824, 72.6316



46.1472, 51.0734, 63.9263



11.3156, 11.2550, 12.1964



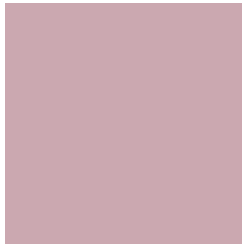
16.0213, 8.2191, 2.5649



0.8565, 0.4360, 0.2900

Previews

White Background



This preview shows how the XYZ color 46.4677, 43.8364, 47.0864 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 46.4677, 43.8364, 47.0864 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 46.4677, 43.8364, 47.0864

Background



This preview shows how black text looks on a background with the XYZ color 46.4677, 43.8364, 47.0864.



This preview shows how white text looks on a background with the XYZ color 46.4677, 43.8364,

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

46.4677, 43.8364, 47.0864

Protanopia

42.4562, 43.9706, 49.9655

Deuteranopia

44.8065, 43.8231, 46.6546



Tritanopia

46.9588, 43.7701, 49.1535

Trichromacy



Original Color

46.4677, 43.8364, 47.0864

Protanomaly

43.8193, 43.8332, 48.7989

Deuteranomaly

45.4013, 43.8504, 46.6285

Tritanomaly

46.8572, 43.7295, 48.6188

Monochromacy



Original Color

46.4677, 43.8364, 47.0864

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.1049, 44.5657, 48.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4677, 43.8364, 47.0864 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(203, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(203, 168, 176)  
}
```

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(203, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 168, 176) }
```

Border

The CSS property to change the border of an element to XYZ 46.4677, 43.8364, 47.0864 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(203, 168, 176) }
```


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

```
.border{ border-color:rgb(203, 168, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 168, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(203, 168,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4677, 43.8364, 47.0864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 168, 176) }
```

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

```
.background{ background-color: rgb(203,  
168, 176) }
```

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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