

Converting Colors

XYZ(46.7863, 44.5298, 48.3037)

Have a look what the booklet for
XYZ(46.7863, 44.5298, 48.3037)
contains.

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Color

**XYZ(46.7677, 44.5204,
48.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAAB2
RGB	202, 170, 178
RGB Percent	79%, 67%, 70%
CMY	0.2078, 0.3333, 0.3020
CMYK	0.00, 0.16, 0.12, 0.21
HSL	345°, 23%, 73%
HSV	345°, 16%, 79%
XYZ	46.7677, 44.5204, 48.2478
YIQ	180.4800, 16.5040, 9.2720

Conversions

Conversions Part 2

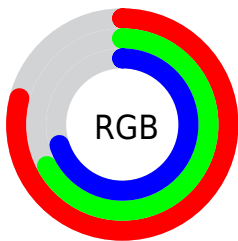
Format	Color
R _Y B	202, 170, 178
Decimal	13281970
CIE Lab	72.57, 12.95, 0.24
CIE LCh	73, 12.949, 1.058
Yxy	44.5204, 0.3352, 0.3191
Android (android.graphics.Color)	4291472050 (0xFFCAAAB2)
YUV	180.4800, -1.2226, 18.8730
Hunter-Lab	66.7236, 8.3473, 3.8340

Details

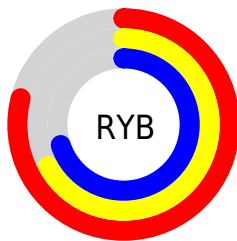
The XYZ color **46.7677, 44.5204, 48.2478** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.4375, 54.6832, 59.0963**, and the grayscale version is **43.6417, 45.9144, 50.0008**.

A 20% lighter version of the original color is **83.0165, 81.0509, 89.1109**, and **22.3928, 20.7334, 22.2238** is the 20% darker color. If you saturate the color by 10%, you get **41.8299, 36.9461, 39.5062**, and if you desaturate by 10%, it is **52.4579, 53.3296, 58.0704**.

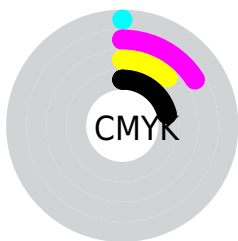
Distribution



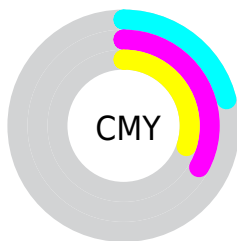
- Red (79%)
- Green (67%)
- Blue (70%)



- Red (79%)
- Yellow (67%)
- Blue (70%)



- Cyan (0%)
- Magenta (16%)
- Yellow (12%)
- Black (21%)



- Cyan (21%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7677, 44.5204, 48.2478 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 46.7677, 44.5204, 48.2478 by changing the saturation by 10% instead.

 46.7677, 44.5204,
48.2478

 46.7677, 44.5204,
48.2478


364.5509,
364.8277, 396.3105

 33.0592, 31.0798,
33.6618


 84.5876, 82.0002,
88.9426

 22.3313, 20.6596,
22.3586


109.4298,
106.8083, 115.8885

 14.2185, 12.8754,
13.9198


138.7139,
136.1744, 147.7914

 8.3555, 7.3428,
7.9268

172.8053,
170.4827, 185.0699

 4.3770, 3.6774,
3.9610

212.0693,
210.1179, 228.1426

 1.9175, 1.4948,
1.6040

256.8714,

 0.5870, 0.2851,

255.4641, 277.4278

0.2937

307.5768,
306.9059, 333.3443

■ 0.0000, 0.0000,
0.0000

■ 46.7677, 44.5204,
48.2478

■ 46.7677, 44.5204,
48.2478

■ 41.8299, 36.9461,
39.5062

■ 52.4579, 53.3296,
58.0704

■ 37.6088, 30.5455,
31.8052

■ 58.9268, 63.4192,
69.0067

■ 34.0715, 25.2614,
25.1062

■ 66.2038, 74.8401,
81.0915

■ 31.1808, 21.0292,
19.3669

■ 74.3159, 87.6383,
94.3575

■ 28.8960, 17.7776,
14.5418

■ 77.9683, 91.2171,
107.0621

■ 27.1714, 15.4266,
10.5816

■ 78.1673, 91.2966,
108.1099

■ 25.9547, 13.8832,
7.4321

■ 25.1817, 13.0324,
5.0313

■ 24.9435, 12.7911,
4.2267

Harmonies

Analogous

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



46.1960, 44.5204, 54.6904



46.7677, 44.5204, 48.2478



46.1118, 44.5204, 42.3879

Triad

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



46.7677, 44.5204, 48.2478



40.1327, 44.5204, 38.6608



40.2658, 44.5204, 60.0863

Complementary

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



46.7677, 44.5204, 48.2478



47.4375, 54.6832, 59.0963

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.



38.7331, 44.5204, 55.1189



46.7677, 44.5204, 48.2478



38.6582, 44.5204, 42.7496

Square

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



46.7677, 44.5204, 48.2478



42.2358, 44.5204, 37.1622



38.1549, 44.5204, 48.7032



42.3949, 44.5204, 61.8784

Rectangle

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



46.7677, 44.5204, 48.2478



45.0795, 44.5204, 39.5032



38.1549, 44.5204, 48.7032



39.6664, 44.5204, 58.7121

Sweetspot

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



46.7690, 44.5224, 48.2487



89.6147, 91.5324, 99.6802



47.2850, 44.4852, 61.9718



19.0236, 19.3466, 21.0667



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.



46.7690, 44.5224, 48.2487



76.1852, 70.7644, 76.4256



47.5346, 47.3015, 44.6575



11.3254, 11.2589, 12.2483



16.0812, 8.2431, 2.8802



0.8609, 0.4378, 0.3136

Inverse Universe

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



46.7690, 44.5224, 48.2487



76.1852, 70.7644, 76.4256



46.5316, 51.3953, 63.3453



11.3254, 11.2589, 12.2483



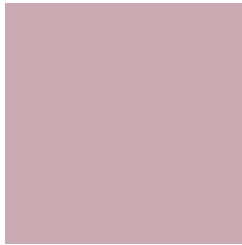
16.0812, 8.2431, 2.8802



0.8609, 0.4378, 0.3136

Previews

White Background



This preview shows how the XYZ color 46.7677, 44.5204, 48.2478 looks on a white background.

Color Contrast Check

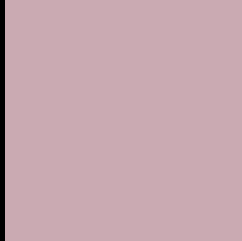
Large Text (above 18pt) WCAG AA × Fail

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 46.7677, 44.5204, 48.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

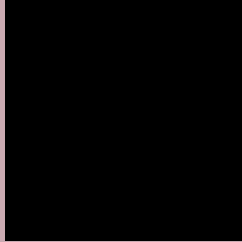
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7677, 44.5204, 48.2478

Background



This preview shows how black text looks on a background with the XYZ color 46.7677, 44.5204, 48.2478.



This preview shows how white text looks on a background with the XYZ color 46.7677, 44.5204,

48.2478.

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

46.7677, 44.5204, 48.2478

Protanopia

42.9880, 44.5250, 50.5844

Deuteranopia

45.5534, 44.4552, 48.2993



Tritanopia

47.2601, 44.4498, 50.3448

Trichromacy



Original Color

46.7677, 44.5204, 48.2478

Protanomaly

44.2156, 44.2997, 49.9363

Deuteranomaly

45.8875, 44.3459, 48.2606

Tritanomaly

47.1571, 44.4086, 49.8023

Monochromacy



Original Color

46.7677, 44.5204, 48.2478

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4011, 44.9967, 48.9929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7677, 44.5204, 48.2478 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(202, 170, 178)` looks like.

```
.text, #text, p{  
    color:rgb(202, 170, 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(202, 170, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 170, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.7677, 44.5204, 48.2478 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(202, 170, 178) }
```


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

```
.border{ border-color:rgb(202, 170, 178) }
```

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

Here you see how a box with a 4 pixel rgb(202, 170, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 170, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 170, 178);  
box-shadow:4px 4px 4px 4px rgb(202, 170,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7677, 44.5204, 48.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 170, 178) }
```

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

```
.background{ background-color: rgb(202,  
170, 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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