

# Converting Colors

XYZ(48.2728, 45.1644, 55.8962)

Have a look what the booklet for  
XYZ(48.2728, 45.1644, 55.8962)  
contains.

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# Color

**XYZ(48.2463, 45.1118,  
56.0338)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAAAC0
RGB	202, 170, 192
RGB Percent	79%, 67%, 75%
CMY	0.2078, 0.3333, 0.2471
CMYK	0.00, 0.16, 0.05, 0.21
HSL	319°, 23%, 73%
HSV	319°, 16%, 79%
XYZ	48.2463, 45.1118, 56.0338
YIQ	182.0760, 12.0100, 13.6260

# Conversions

## Conversions Part 2

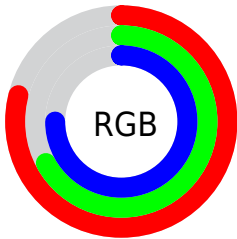
Format	Color
R <sub>Y</sub> B	202, 170, 192
Decimal	13281984
CIE Lab	72.97, 15.38, -6.88
CIE LCh	73, 16.851, 335.887
Yxy	45.1118, 0.3230, 0.3020
Android (android.graphics.Color)	4291472064 (0xFFCAAAC0)
YUV	182.0760, 4.8925, 17.4733
Hunter-Lab	67.1653, 10.6811, -2.4480

# Details

The XYZ color **48.2463, 45.1118, 56.0338** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.9381, 54.0837, 51.2005**, and the grayscale version is **44.4755, 46.7917, 50.9562**.

A 20% lighter version of the original color is **85.1085, 81.8877, 100.1271**, and **23.3514, 21.1168, 27.2713** is the 20% darker color. If you saturate the color by 10%, you get **44.0624, 37.8390, 51.2620**, and if you desaturate by 10%, it is **53.0447, 53.5642, 61.1596**.

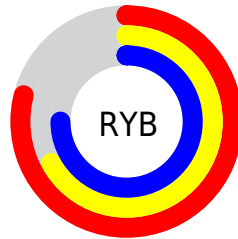
# Distribution



Red (79%)

Green (67%)

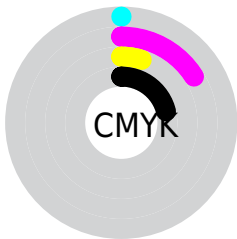
Blue (75%)



Red (79%)

Yellow (67%)

Blue (75%)

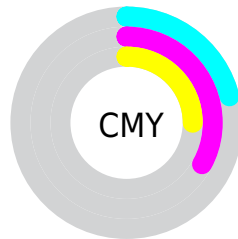


Cyan (0%)

Magenta (16%)

Yellow (5%)

Black (21%)



Cyan (21%)

Magenta (33%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2463, 45.1118, 56.0338 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 48.2463, 45.1118, 56.0338 by changing the saturation by 10% instead.





 48.2463, 45.1118,  
56.0338

 48.2463, 45.1118,  
56.0338


370.3339,  
367.2262, 427.2108

 34.2340, 31.5455,  
39.8258


 86.7785, 82.8882,  
100.5403

 23.2372, 21.0146,  
27.0900


112.0291,  
107.8670, 129.6759

 14.8904, 13.1347,  
17.4078


141.7566,  
137.4188, 163.9578

 8.8283, 7.5213,  
10.3607

176.3263,  
171.9280, 203.8046

 4.6856, 3.7902,  
5.5300

216.1035,  
211.7789, 249.6347

 2.0968, 1.5569,  
2.4973

261.4536,

 0.6875, 0.3283,

257.3560, 301.8667

0.8388

312.7419,  
309.0436, 360.9192

■ 0.0000, 0.0000,  
0.0000

■ 48.2463, 45.1118,  
56.0338

■ 48.2463, 45.1118,  
56.0338

■ 44.0624, 37.8390,  
51.2620

■ 53.0447, 53.5642,  
61.1596

■ 40.4622, 31.6868,  
46.8304

■ 58.4787, 63.2400,  
66.6466

■ 37.4181, 26.6000,  
42.7285

■ 64.5734, 74.1879,  
72.5055

■ 34.8986, 22.5162,  
38.9440

■ 71.3513, 86.4524,  
78.7455

■ 32.8691, 19.3668,  
35.4633

■ 73.5134, 89.4351,  
83.6019

■ 31.2905, 17.0741,  
32.2715

■ 74.3836, 89.7832,  
88.1845

■ 30.1173, 15.5482,  
29.3513

■ 75.2859, 90.1441,  
92.9362

■ 29.2933, 14.6770,  
26.6820

■ 76.2207, 90.5180,  
97.8587

■ 29.0081, 14.4170,  
25.6297

■ 77.1883, 90.9051,  
102.9538

# Harmonies

## Analogous

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



46.2769, 45.1118, 63.4362



48.2463, 45.1118, 56.0338



48.7494, 45.1118, 47.4774

# Triad

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



48.2463, 45.1118, 56.0338



42.3003, 45.1118, 34.7119



38.4591, 45.1118, 59.2325

# Complementary

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



48.2463, 45.1118, 56.0338



45.9381, 54.0837, 51.2005

# 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.



37.4970, 45.1118, 50.7982



48.2463, 45.1118, 56.0338



39.6486, 45.1118, 37.1365

# Square

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



48.2463, 45.1118, 56.0338



45.2283, 45.1118, 35.7756



37.9224, 45.1118, 42.7980



40.6094, 45.1118, 65.4257



# Rectangle

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



48.2463, 45.1118, 56.0338



48.1663, 45.1118, 42.3850



37.9224, 45.1118, 42.7980



37.9906, 45.1118, 56.5312

# Sweetspot

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



48.2476, 45.1138, 56.0348



90.4816, 91.8792, 104.2449



43.7667, 42.6714, 61.8075



19.2341, 19.4309, 22.1754



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.



48.2476, 45.1138, 56.0348



79.1510, 71.9507, 92.0435



46.6096, 44.4586, 47.4090



11.5325, 11.3417, 13.3387



18.7078, 9.2937, 16.7117



0.9984, 0.4927, 1.0372



# Inverse Universe

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



48.2476, 45.1138, 56.0348



79.1510, 71.9507, 92.0435



47.6179, 54.7556, 60.0464



11.5325, 11.3417, 13.3387



18.7078, 9.2937, 16.7117

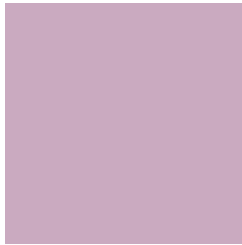


0.9984, 0.4927, 1.0372



# Previews

## White Background



This preview shows how the XYZ color 48.2463, 45.1118, 56.0338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

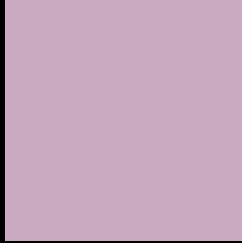
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2463, 45.1118, 56.0338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

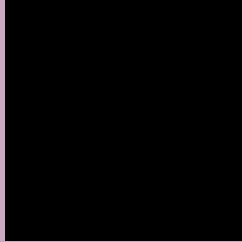
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2463, 45.1118, 56.0338**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2463, 45.1118, 56.0338.



This preview shows how white text looks on a background with the XYZ color 48.2463, 45.1118,



# 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

48.2463, 45.1118, 56.0338

### Protanopia

44.1299, 45.2191, 59.2256

### Deuteranopia

46.0259, 45.1101, 55.5715



## Tritanopia

47.4073, 45.0461, 52.0951

# Trichromacy



## Original Color

48.2463, 45.1118, 56.0338

## Protanomaly

45.4300, 45.0392, 57.9288

## Deuteranomaly

46.8532, 45.2508, 55.5551

## Tritanomaly

47.7274, 45.1742, 53.7809

# Monochromacy



## Original Color

48.2463, 45.1118, 56.0338

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.7696, 46.2048, 52.9605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2463, 45.1118, 56.0338 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(202, 170, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 170, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2463, 45.1118, 56.0338 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, 192) }
```



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

```
.border{ border-color:rgb(202, 170, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 170, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 170, 192);  
box-shadow:4px 4px 4px 4px rgb(202, 170,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2463, 45.1118, 56.0338 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, 192) }
```

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

```
.background{ background-color: rgb(202,  
170, 192) }
```

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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