

# Converting Colors

XYZ(48.2478, 45.4309, 39.9476)

Have a look what the booklet for  
XYZ(48.2478, 45.4309, 39.9476)  
contains.

<b>XYZ(48.2483, 45.4688, 39.9516)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.2483, 45.4688,  
39.9516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5AAA1
RGB	213, 170, 161
RGB Percent	84%, 67%, 63%
CMY	0.1647, 0.3333, 0.3686
CMYK	0.00, 0.20, 0.24, 0.16
HSL	10°, 38%, 73%
HSV	10°, 24%, 84%
XYZ	48.2483, 45.4688, 39.9516
YIQ	181.8310, 28.5170, 6.3170

# Conversions

## Conversions Part 2

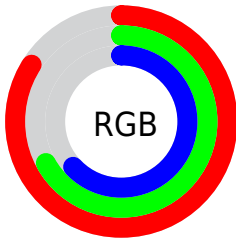
Format	Color
R <sub>Y</sub> B	213, 172, 161
Decimal	14002849
CIE Lab	73.20, 14.38, 10.61
CIE LCh	73, 17.868, 36.428
Yxy	45.4688, 0.3610, 0.3402
Android (android.graphics.Color)	4292192929 (0xFFD5AAA1)
YUV	181.8310, -10.2697, 27.3352
Hunter-Lab	67.4306, 9.7179, 12.0729

# Details

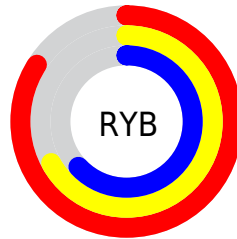
The XYZ color **48.2483, 45.4688, 39.9516** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.3004, 55.5652, 71.1304**, and the grayscale version is **44.4157, 46.7288, 50.8877**.

A 20% lighter version of the original color is **80.5599, 80.0683, 76.1745**, and **23.3393, 21.3301, 17.3550** is the 20% darker color. If you saturate the color by 10%, you get **43.4445, 38.6153, 29.8593**, and if you desaturate by 10%, it is **53.8169, 53.3391, 51.8784**.

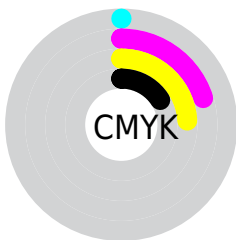
# Distribution



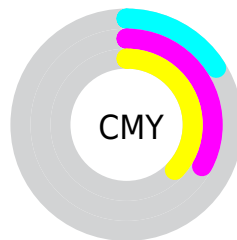
- Red (84%)
- Green (67%)
- Blue (63%)



- Red (84%)
- Yellow (67%)
- Blue (63%)



- Cyan (0%)
- Magenta (20%)
- Yellow (24%)
- Black (16%)




- Cyan (16%)
- Magenta (33%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2483, 45.4688, 39.9516 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 48.2483, 45.4688, 39.9516 by changing the saturation by 10% instead.





 48.2483, 45.4688,  
39.9516


 48.2483, 45.4688,  
39.9516

370.3417,  
368.6689, 361.4656

 34.2356, 31.8268,  
27.1873


 86.7814, 83.4234,  
76.3261

 23.2384, 21.2293,  
17.4803


 112.0326,  
108.5049, 100.7734

 14.8913, 13.2917,  
10.4119


141.7607,  
138.1684, 129.9521

 8.8290, 7.6297,  
5.5638

176.3310,  
172.7982, 164.2807

 4.6860, 3.8589,  
2.5172

216.1089,  
212.7788, 204.1778

 2.0971, 1.5950,  
0.8493

261.4597,

 0.6876, 0.3542,

258.4945, 250.0620

0.0000

312.7489,  
310.3297, 302.3517

0.0000, 0.0000,  
0.0000

48.2483, 45.4688,  
39.9516

48.2483, 45.4688,  
39.9516

43.4445, 38.6153,  
29.8593

53.8169, 53.3391,  
51.8784

39.3681, 32.7309,  
21.5076

60.1781, 62.2589,  
65.7218

35.9842, 27.7734,  
14.7982

67.3629, 72.2672,  
81.5622

33.2532, 23.6951,  
9.6223

75.3996, 83.3992,  
99.4746

31.1316, 20.4438,  
5.8573

81.2507, 92.8862,  
108.2542

■ 29.5703, 17.9618,  
3.3621

■ 28.5119, 16.1834,  
1.9656

■ 28.0986, 15.4620,  
1.5035

# Harmonies

## Analogous

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



49.4850, 45.4688, 47.6009



48.2483, 45.4688, 39.9516



45.6713, 45.4688, 35.3160

# Triad

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



48.2483, 45.4688, 39.9516



37.9260, 45.4688, 42.9227



43.8948, 45.4688, 68.7114

# Complementary

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



48.2483, 45.4688, 39.9516



48.3004, 55.5652, 71.1304

# 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.



40.8517, 45.4688, 67.0681



48.2483, 45.4688, 39.9516



37.5015, 45.4688, 51.4649

# Square

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



48.2483, 45.4688, 39.9516



39.7366, 45.4688, 36.8809



38.5477, 45.4688, 60.4779



46.8943, 45.4688, 64.7306



# Rectangle

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



48.2483, 45.4688, 39.9516



43.5932, 45.4688, 34.2051



38.5477, 45.4688, 60.4779



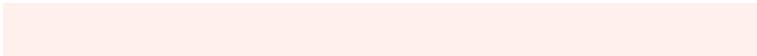
42.8424, 45.4688, 68.8047

# Sweetspot

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



48.2495, 45.4709, 39.9525



87.7790, 89.8453, 92.9511



51.1249, 44.0120, 63.1375



18.6603, 19.0514, 19.6160



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.



48.2495, 45.4709, 39.9525



68.8452, 63.1174, 52.2973



53.5388, 56.0494, 41.7156



12.5954, 12.7649, 12.9607



17.2157, 9.5487, 0.9357



1.0925, 0.6841, 0.0745

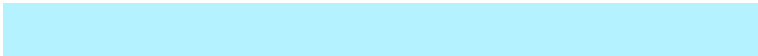


# Inverse Universe

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



48.3004, 55.5652, 71.1304



68.9280, 80.6702, 106.5457



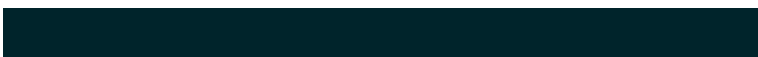
42.6955, 44.3553, 69.2621



12.6007, 13.7249, 15.9226



16.9005, 22.0628, 41.8210



1.0686, 1.4293, 2.5389



# Previews

## White Background



This preview shows how the XYZ color 48.2483, 45.4688, 39.9516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

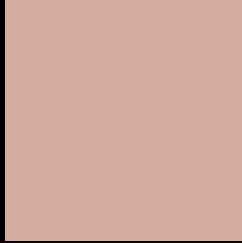
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2483, 45.4688, 39.9516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

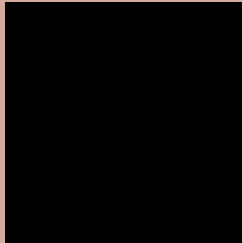
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2483, 45.4688, 39.9516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2483, 45.4688, 39.9516.



This preview shows how white text looks on a background with the XYZ color 48.2483, 45.4688,

39.9516.

# 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

48.2483, 45.4688, 39.9516

### Protanopia

43.2527, 45.4325, 42.5661

### Deuteranopia

46.1906, 45.2626, 39.5598



## Tritanopia

50.0813, 45.3798, 49.2996

# Trichromacy



## Original Color

48.2483, 45.4688, 39.9516

## Protanomaly

44.9911, 45.4668, 41.5266

## Deuteranomaly

46.8298, 45.3085, 39.5349

## Tritanomaly

49.2770, 45.3185, 45.6853

# Monochromacy



## Original Color

48.2483, 45.4688, 39.9516

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.5527, 46.2342, 46.5676

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2483, 45.4688, 39.9516 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(213, 170, 161)` looks like.

```
.text, #text, p{  
    color:rgb(213, 170, 161)  
}
```

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(213, 170, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 170, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2483, 45.4688, 39.9516 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(213, 170, 161) }
```



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

```
.border{ border-color:rgb(213, 170, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 170, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 170, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 170, 161);  
box-shadow:4px 4px 4px 4px rgb(213, 170,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2483, 45.4688, 39.9516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 170, 161) }
```

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

```
.background{ background-color: rgb(213,  
170, 161) }
```

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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