

# Converting Colors

XYZ(52.0478, 49.5026, 60.2495)

Have a look what the booklet for  
XYZ(52.0478, 49.5026, 60.2495)  
contains.

<b>XYZ(52.0453, 49.5828, 60.2534)</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(52.0453, 49.5828,  
60.2534)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFB3C6
RGB	207, 179, 198
RGB Percent	81%, 70%, 78%
CMY	0.1882, 0.2980, 0.2235
CMYK	0.00, 0.14, 0.04, 0.19
HSL	319°, 23%, 76%
HSV	319°, 14%, 81%
XYZ	52.0453, 49.5828, 60.2534
YIQ	189.5380, 10.5890, 11.8450

# Conversions

## Conversions Part 2

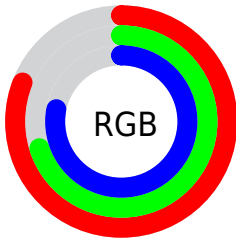
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 179, 198
Decimal	13611974
CIE <sub>Lab</sub>	75.81, 13.31, -5.90
CIE <sub>LCh</sub>	76, 14.563, 336.094
Yxy	49.5828, 0.3215, 0.3063
Android (android.graphics.Color)	4291802054 (0xFFCFB3C6)
YUV	189.5380, 4.1718, 15.3142
Hunter-Lab	70.4151, 8.7069, -1.4433

# Details

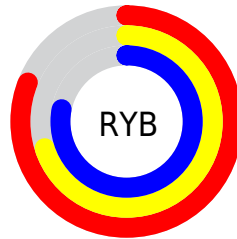
The XYZ color **52.0453, 49.5828, 60.2534** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.9823, 57.8416, 56.1100**, and the grayscale version is **48.6517, 51.1854, 55.7409**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **25.6318, 23.7076, 29.6106** is the 20% darker color. If you saturate the color by 10%, you get **47.4536, 41.6002, 55.0190**, and if you desaturate by 10%, it is **57.2964, 58.8287, 65.8752**.

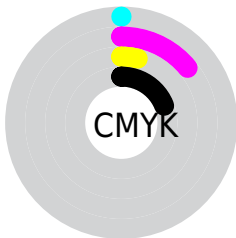
# Distribution



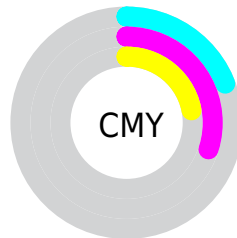
- Red (81%)
- Green (70%)
- Blue (78%)



- Red (81%)
- Yellow (70%)
- Blue (78%)



- Cyan (0%)
- Magenta (14%)
- Yellow (4%)
- Black (19%)




- Cyan (19%)
- Magenta (30%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0453, 49.5828, 60.2534 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 52.0453, 49.5828, 60.2534 by changing the saturation by 10% instead.





 52.0453, 49.5828,  
60.2534

 52.0453, 49.5828,  
60.2534


384.9326,  
385.0322, 443.3617

 37.2656, 35.0820,  
43.1963

 92.3719, 89.5564,  
106.7441

 25.5878, 23.7261,  
29.7066

118.6495,  
115.7981, 137.0148

 16.6466, 15.1305,  
19.3658


149.4904,  
146.7221, 172.5271

 10.0766, 8.9111,  
11.7554

185.2600,  
182.7129, 213.6996

 5.5124, 4.6832,  
6.4569

226.3237,  
224.1550, 260.9507

 2.5888, 2.0626,  
3.0516

273.0468,

 0.9402, 0.6435,

271.4326, 314.6991

1.1210

325.7946,  
324.9302, 375.3633

■ 0.0000, 0.0000,  
0.0000

■ 52.0453, 49.5828,  
60.2534

■ 52.0453, 49.5828,  
60.2534

■ 47.4536, 41.6002,  
55.0190

■ 57.2964, 58.8287,  
65.8752

■ 43.4888, 34.8190,  
50.1573

■ 63.2290, 69.3836,  
71.8920

■ 40.1223, 29.1817,  
45.6571

■ 69.8692, 81.2986,  
78.3153

■ 37.3213, 24.6235,  
41.5054

■ 75.0313, 90.2011,  
84.4183

■ 35.0497, 21.0731,  
37.6879

■ 75.9551, 90.5706,  
89.2831

■ 33.2673, 18.4505,  
34.1889

■ 76.9147, 90.9545,  
94.3362

■ 31.9275, 16.6636,  
30.9905

■ 77.9104, 91.3527,  
99.5796

■ 30.9743, 15.6009,  
28.0716

■ 78.9426, 91.7656,  
105.0154

■ 30.4998, 15.1725,  
26.3084

■ 79.5425, 92.0056,  
108.1743

# Harmonies

## Analogous

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



50.2590, 49.5828, 66.9449



52.0453, 49.5828, 60.2534



52.4920, 49.5828, 52.4208

# Triad

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



52.0453, 49.5828, 60.2534



46.5768, 49.5828, 40.4849



43.0466, 49.5828, 63.2497

# Complementary

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



52.0453, 49.5828, 60.2534



49.9823, 57.8416, 56.1100

# 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.



42.1405, 49.5828, 55.5846



52.0453, 49.5828, 60.2534



44.1279, 49.5828, 42.8197

# Square

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



52.0453, 49.5828, 60.2534



49.2669, 49.5828, 41.4786



42.5287, 49.5828, 48.1713



45.0499, 49.5828, 68.7874



# Rectangle

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



52.0453, 49.5828, 60.2534



51.9556, 49.5828, 47.6949



42.5287, 49.5828, 48.1713



42.6071, 49.5828, 60.8100

# Sweetspot

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



52.0467, 49.5850, 60.2545



91.3584, 93.4545, 105.0872



48.0908, 47.4221, 65.6511



19.4102, 19.7479, 22.3420



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.



52.0467, 49.5850, 60.2545



81.3468, 75.8583, 94.2676



50.5197, 48.9742, 52.2133



12.1424, 11.9417, 14.0255



19.2608, 9.5772, 16.8114



1.1123, 0.5496, 1.1263



# Inverse Universe

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



52.0467, 49.5850, 60.2545



81.3468, 75.8583, 94.2676



51.5498, 58.4686, 64.3642



12.1424, 11.9417, 14.0255



19.2608, 9.5772, 16.8114

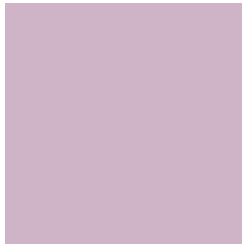


1.1123, 0.5496, 1.1263



# Previews

## White Background



This preview shows how the XYZ color 52.0453, 49.5828, 60.2534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

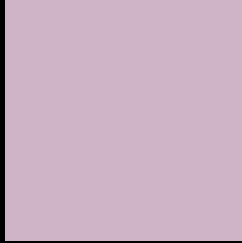
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0453, 49.5828, 60.2534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

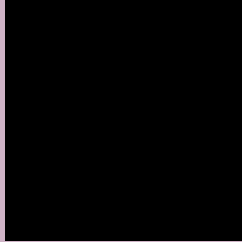
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.0453, 49.5828, 60.2534**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0453, 49.5828, 60.2534.



This preview shows how white text looks on a background with the XYZ color 52.0453, 49.5828,



# 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

52.0453, 49.5828, 60.2534

### Protanopia

48.4693, 49.8212, 62.9390

### Deuteranopia

50.5363, 49.4043, 60.2985



## Tritanopia

51.5125, 49.6594, 57.9092

# Trichromacy



## Original Color

52.0453, 49.5828, 60.2534

## Protanomaly

49.7242, 49.5534, 62.2023

## Deuteranomaly

51.1429, 49.4162, 60.2688

## Tritanomaly

51.6252, 49.7045, 58.5027

# Monochromacy



## Original Color

52.0453, 49.5828, 60.2534

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.9495, 50.7038, 57.6063

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0453, 49.5828, 60.2534 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(207, 179, 198)` looks like.

```
.text, #text, p{  
    color:rgb(207, 179, 198)  
}
```

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(207, 179, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 179, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0453, 49.5828, 60.2534 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(207, 179, 198) }
```



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

```
.border{ border-color:rgb(207, 179, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 179, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 179, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 179, 198);  
box-shadow:4px 4px 4px 4px rgb(207, 179,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0453, 49.5828, 60.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 179, 198) }
```

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

```
.background{ background-color: rgb(207,  
179, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor