

# Converting Colors

XYZ(51.2617, 52.1987, 57.4899)

Have a look what the booklet for  
XYZ(51.2617, 52.1987, 57.4899)  
contains.

<b>XYZ(51.2652, 52.3431, 57.2704)</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(51.2652, 52.3431,  
57.2704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7BDC0
RGB	199, 189, 192
RGB Percent	78%, 74%, 75%
CMY	0.2196, 0.2588, 0.2471
CMYK	0.00, 0.05, 0.04, 0.22
HSL	342°, 8%, 76%
HSV	342°, 5%, 78%
XYZ	51.2652, 52.3431, 57.2704
YIQ	192.3320, 4.9970, 3.0530

# Conversions

## Conversions Part 2

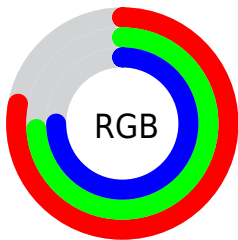
Format	Color
R <sub>Y</sub> B	199, 189, 192
Decimal	13090240
CIE Lab	77.49, 4.05, -0.26
CIE LCh	77, 4.057, 356.307
Yxy	52.3431, 0.3187, 0.3254
Android (android.graphics.Color)	4291280320 (0xFFC7BDC0)
YUV	192.3320, -0.1637, 5.8478
Hunter-Lab	72.3485, -0.1272, 3.7106

# Details

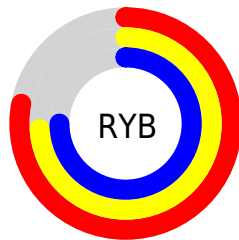
The XYZ color **51.2652, 52.3431, 57.2704** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.3755, 55.6525, 60.2616**, and the grayscale version is **50.2971, 52.9164, 57.6260**.

A 20% lighter version of the original color is **90.8357, 93.3421, 102.0362**, and **25.1414, 25.4921, 28.0215** is the 20% darker color. If you saturate the color by 10%, you get **45.8035, 43.7742, 48.1896**, and if you desaturate by 10%, it is **57.4635, 62.1497, 67.3194**.

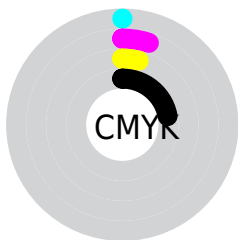
# Distribution



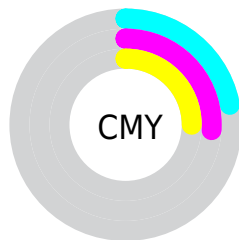
- Red (78%)
- Green (74%)
- Blue (75%)



- Red (78%)
- Yellow (74%)
- Blue (75%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (22%)



- Cyan (22%)
- Magenta (26%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2652, 52.3431, 57.2704 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 51.2652, 52.3431, 57.2704 by changing the saturation by 10% instead.



■ 51.2652, 52.3431,  
57.2704

■ 51.2652, 52.3431,  
57.2704

381.9640,  
395.7597, 431.9839

■ 36.6416, 37.2786,  
40.8116

■ 91.2273, 93.6370,  
102.3639

■ 25.1025, 25.4233,  
27.8533

117.2966,  
120.6353, 131.8356

■ 16.2826, 16.3927,  
17.9770

147.9117,  
152.3803, 166.4820

■ 9.8165, 9.8025,  
10.7642

183.4382,  
189.2564, 206.7217

■ 5.3388, 5.2682,  
5.7963

224.2413,  
231.6480, 252.9732

■ 2.4842, 2.4055,  
2.6549

270.6864,

■ 0.8873, 0.8287,

279.9395, 305.6550

0.9206

323.1388,  
334.5153, 365.1857

■ 0.0000, 0.0000,  
0.0000

■ 51.2652, 52.3431,  
57.2704

■ 51.2652, 52.3431,  
57.2704

■ 45.8035, 43.7742,  
48.1896

■ 57.4635, 62.1497,  
67.3194

■ 41.0460, 36.3871,  
40.0442

■ 64.4201, 73.2336,  
78.3609

■ 36.9648, 30.1315,  
32.8048

■ 72.1615, 85.6409,  
90.4230

■ 33.5279, 24.9510,  
26.4390

■ 76.2166, 90.4235,  
102.0329

■ 30.7011, 20.7845,  
20.9123

■ 77.3635, 90.8823,  
108.0723

■ 28.4466, 17.5643,  
16.1878

■ 26.7224, 15.2146,  
12.2257

■ 25.4801, 13.6478,  
8.9822

■ 24.6617, 12.7576,  
6.4080

# Harmonies

## Analogous

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



51.0113, 52.3431, 59.4136



51.2652, 52.3431, 57.2704



51.1098, 52.3431, 55.1067

# Triad

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



51.2652, 52.3431, 57.2704



49.0876, 52.3431, 53.2213



48.9216, 52.3431, 60.6488

# Complementary

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



51.2652, 52.3431, 57.2704



51.3755, 55.6525, 60.2616

# 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.



48.4156, 52.3431, 58.9213



51.2652, 52.3431, 57.2704



48.5107, 52.3431, 54.6386

# Square

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



51.2652, 52.3431, 57.2704



49.8474, 52.3431, 52.8051



48.2660, 52.3431, 56.7160



49.6538, 52.3431, 61.3961



# Rectangle

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



51.2652, 52.3431, 57.2704



50.7958, 52.3431, 53.9374



48.2660, 52.3431, 56.7160



48.7197, 52.3431, 60.1613

# Sweetspot

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



51.2667, 52.3454, 57.2715



92.8748, 96.5612, 105.3647



51.2731, 52.2569, 61.4177



19.9018, 20.7041, 22.5895



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.



51.2667, 52.3454, 57.2715



88.6845, 89.9527, 98.5044



51.3710, 53.0800, 55.6848



11.1108, 11.2358, 12.3086



15.6979, 8.0287, 3.6192



0.7758, 0.3932, 0.3426



# Inverse Universe

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



51.2667, 52.3454, 57.2715



88.6845, 89.9527, 98.5044



51.2631, 54.8763, 61.9238



11.1108, 11.2358, 12.3086



15.6979, 8.0287, 3.6192

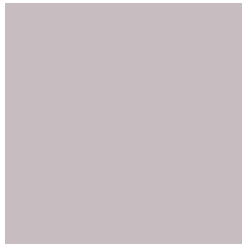


0.7758, 0.3932, 0.3426



# Previews

## White Background



This preview shows how the XYZ color 51.2652, 52.3431, 57.2704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

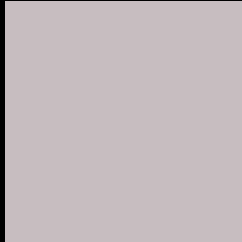
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2652, 52.3431, 57.2704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

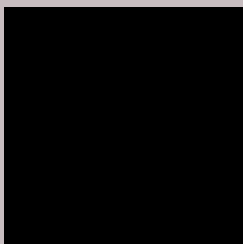
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

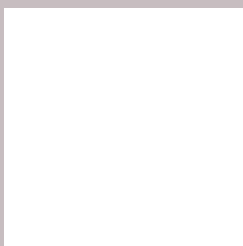
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.2652, 52.3431, 57.2704**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2652, 52.3431, 57.2704.



This preview shows how white text looks on a background with the XYZ color 51.2652, 52.3431,



# 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

51.2652, 52.3431, 57.2704

### Protanopia

50.2872, 52.1465, 57.8669

### Deuteranopia

53.2691, 52.1035, 57.7015



## Tritanopia

52.2504, 52.0843, 63.1765

# Trichromacy



## Original Color

51.2652, 52.3431, 57.2704

## Protanomaly

50.8040, 52.4129, 57.8911

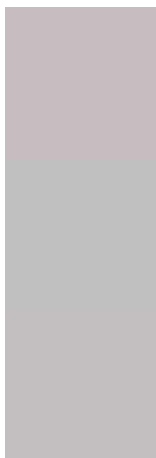
## Deuteranomaly

52.3614, 51.9472, 57.7191

## Tritanomaly

51.9957, 52.3230, 60.7850

# Monochromacy



## Original Color

51.2652, 52.3431, 57.2704

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.6509, 52.6695, 57.3658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2652, 52.3431, 57.2704 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(199, 189, 192) looks like.

```
.text, #text, p{  
    color:rgb(199, 189, 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(199, 189, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 189, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2652, 52.3431, 57.2704 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(199, 189, 192) }
```



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

```
.border{ border-color:rgb(199, 189, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 189, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 189, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 189, 192);  
box-shadow:4px 4px 4px 4px rgb(199, 189,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2652, 52.3431, 57.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 189, 192) }
```

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

```
.background{ background-color: rgb(199,  
189, 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](#).

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