

# Converting Colors

XYZ(51.5734, 52.7081, 46.2100)

Have a look what the booklet for  
XYZ(51.5734, 52.7081, 46.2100)  
contains.

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# Color

**XYZ(51.5607, 52.7454,  
45.9914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0BDAB
RGB	208, 189, 171
RGB Percent	82%, 74%, 67%
CMY	0.1843, 0.2588, 0.3294
CMYK	0.00, 0.09, 0.18, 0.18
HSL	29°, 28%, 74%
HSV	29°, 18%, 82%
XYZ	51.5607, 52.7454, 45.9914
YIQ	192.6290, 17.1020, -1.5700

# Conversions

## Conversions Part 2

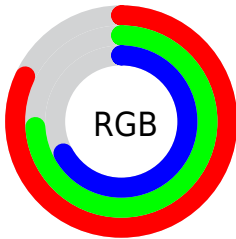
Format	Color
R <sub>Y</sub> B	208, 206, 171
Decimal	13680043
CIE Lab	77.72, 3.80, 11.53
CIE LCh	78, 12.142, 71.766
Yxy	52.7454, 0.3431, 0.3509
Android (android.graphics.Color)	4291870123 (0xFFD0BDAB)
YUV	192.6290, -10.6631, 13.4804
Hunter-Lab	72.6260, -0.3698, 13.2920

# Details

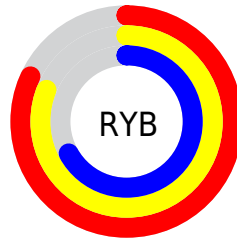
The XYZ color **51.5607, 52.7454, 45.9914** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5929, 50.0377, 66.8774**, and the grayscale version is **50.5256, 53.1568, 57.8878**.

A 20% lighter version of the original color is **87.6199, 92.0558, 85.1020**, and **25.2708, 25.7125, 21.0839** is the 20% darker color. If you saturate the color by 10%, you get **47.5193, 47.5894, 35.6204**, and if you desaturate by 10%, it is **56.0862, 58.3693, 58.0643**.

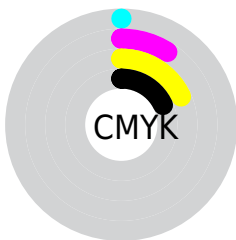
# Distribution



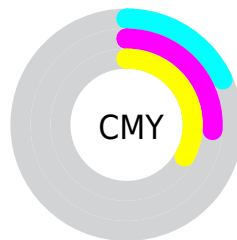
- Red (82%)
- Green (74%)
- Blue (67%)



- Red (82%)
- Yellow (81%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (18%)
- Black (18%)



- Cyan (18%)
- Magenta (26%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5607, 52.7454, 45.9914 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 51.5607, 52.7454, 45.9914 by changing the saturation by 10% instead.



■ 51.5607, 52.7454,  
45.9914

■ 51.5607, 52.7454,  
45.9914

383.0902,  
397.3076, 387.0507

■ 36.8779, 37.5996,  
31.8904

■ 91.6611, 94.2296,  
85.5403

■ 25.2862, 25.6720,  
21.0137

117.8094,  
121.3368, 111.8252

■ 16.4203, 16.5785,  
12.9427

148.5103,  
153.1999, 143.0086

■ 9.9148, 9.9344,  
7.2588

184.1290,  
190.2032, 179.5090

■ 5.4043, 5.3555,  
3.5436

225.0311,  
232.7313, 221.7448

■ 2.5236, 2.4573,  
1.3785

271.5817,

■ 0.9072, 0.8551,

281.1684, 270.1347

0.1248

324.1463,  
335.8991, 325.0971

0.0000, 0.0000,  
0.0000

51.5607, 52.7454,  
45.9914

51.5607, 52.7454,  
45.9914

47.5193, 47.5894,  
35.6204

56.0862, 58.3693,  
58.0643

43.9395, 42.8811,  
26.8700

61.1085, 64.4663,  
71.9084

40.8032, 38.6090,  
19.6574

66.6454, 71.0509,  
87.5935

38.0895, 34.7587,  
13.8910

72.7122, 78.1344,  
105.1844

35.7753, 31.3144,  
9.4691

75.9335, 84.3719,  
106.8910

■ 33.8348, 28.2591,  
6.2769

■ 79.2123, 90.9295,  
107.9839

■ 32.2384, 25.5740,  
4.1797

■ 79.8226, 92.1500,  
108.1874

■ 30.9455, 23.2355,  
2.9860

■ 30.6870, 22.7589,  
2.7755

# Harmonies

## Analogous

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



53.5807, 52.7454, 49.2319



51.5607, 52.7454, 45.9914



49.2168, 52.7454, 45.6661

# Triad

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



51.5607, 52.7454, 45.9914



45.8364, 52.7454, 60.1113



53.2046, 52.7454, 67.6382

# Complementary

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



51.5607, 52.7454, 45.9914



46.5929, 50.0377, 66.8774

# 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.



51.0604, 52.7454, 71.0601



51.5607, 52.7454, 45.9914



46.8363, 52.7454, 66.4928

# Square

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



51.5607, 52.7454, 45.9914



45.9609, 52.7454, 53.4744



48.7317, 52.7454, 70.6252



54.5501, 52.7454, 61.5776



# Rectangle

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



51.5607, 52.7454, 45.9914



47.7906, 52.7454, 47.1121



48.7317, 52.7454, 70.6252



52.5505, 52.7454, 69.1558

# Sweetspot

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



51.5621, 52.7478, 45.9925



91.0118, 95.1003, 97.7608



49.8829, 46.2592, 55.0824



19.3623, 20.2113, 20.6023



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.



51.5621, 52.7478, 45.9925



79.4438, 80.7145, 66.9286



55.7693, 61.1622, 47.3949



12.2768, 12.7442, 12.4249



19.2218, 14.3766, 1.7619



1.1541, 0.9625, 0.1249

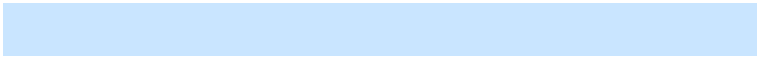


# Inverse Universe

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



46.5929, 50.0377, 66.8774



70.2619, 75.7067, 105.5174



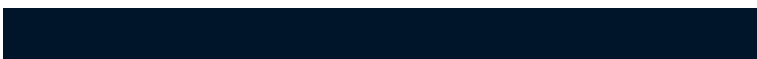
42.8601, 42.5721, 65.6331



11.6584, 12.4070, 15.0240



10.4561, 9.5588, 38.4864



0.6639, 0.6931, 2.1784



# Previews

## White Background



This preview shows how the XYZ color 51.5607, 52.7454, 45.9914 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 51.5607, 52.7454, 45.9914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

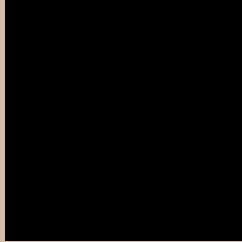
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.5607, 52.7454, 45.9914

## Background



This preview shows how black text looks on a background with the XYZ color 51.5607, 52.7454, 45.9914.



This preview shows how white text looks on a background with the XYZ color 51.5607, 52.7454,

45.9914.

# 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

51.5607, 52.7454, 45.9914

### Protanopia

50.1154, 52.9572, 46.6101

### Deuteranopia

53.7088, 52.5819, 46.3483



## Tritanopia

54.8091, 52.8185, 61.3391

# Trichromacy



## Original Color

51.5607, 52.7454, 45.9914

## Protanomaly

50.7058, 52.9367, 46.5750

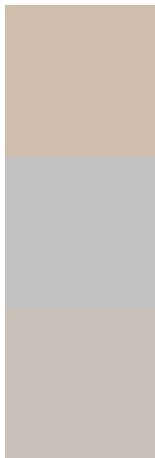
## Deuteranomaly

52.7369, 52.3925, 46.3630

## Tritanomaly

53.6082, 52.6408, 55.4794

# Monochromacy



## Original Color

51.5607, 52.7454, 45.9914

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.8953, 53.2078, 53.4866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5607, 52.7454, 45.9914 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(208, 189, 171)` looks like.

```
.text, #text, p{  
    color:rgb(208, 189, 171)  
}
```

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(208, 189, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 189, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5607, 52.7454, 45.9914 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(208, 189, 171) }
```



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

```
.border{ border-color:rgb(208, 189, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 189, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 189, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 189, 171);  
box-shadow:4px 4px 4px 4px rgb(208, 189,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5607, 52.7454, 45.9914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 189, 171) }
```

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

```
.background{ background-color: rgb(208,  
189, 171) }
```

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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