

# Converting Colors

XYZ(51.2541, 57.5544, 50.2540)

Have a look what the booklet for  
XYZ(51.2541, 57.5544, 50.2540)  
contains.

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# Color

**XYZ(51.2669, 57.5665,  
50.0044)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0CCB1
RGB	192, 204, 177
RGB Percent	75%, 80%, 69%
CMY	0.2471, 0.2000, 0.3059
CMYK	0.06, 0.00, 0.13, 0.20
HSL	87°, 21%, 75%
HSV	87°, 13%, 80%
XYZ	51.2669, 57.5665, 50.0044
YIQ	197.3340, 1.5150, -10.9410

# Conversions

## Conversions Part 2

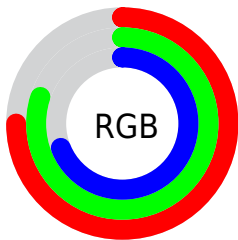
Format	Color
<a href="#">RYB</a>	<a href="#">177, 204, 189</a>
Decimal	<a href="#">12635313</a>
CIELab	<a href="#">80.50, -8.93, 12.07</a>
CIELCh	<a href="#">80, 15.013, 126.491</a>
Yxy	<a href="#">57.5665, 0.3228, 0.3624</a>
Android (android.graphics.Color)	<a href="#">4290825393</a> ( <a href="#">0xFFC0CCB1</a> )
YUV	<a href="#">197.3340, -10.0247, -4.6779</a>
Hunter-Lab	<a href="#">75.8726, -12.1651, 14.0353</a>

# Details

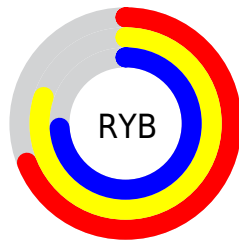
The XYZ color **51.2669, 57.5665, 50.0044** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.6098, 46.6243, 63.6199**, and the grayscale version is **53.3322, 56.1096, 61.1033**.

A 20% lighter version of the original color is **89.1794, 97.3597, 91.1828**, and **25.0257, 28.6712, 23.2839** is the 20% darker color. If you saturate the color by 10%, you get **47.1581, 55.6677, 39.9795**, and if you desaturate by 10%, it is **55.8243, 59.6649, 61.6395**.

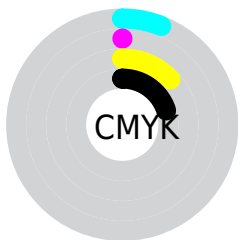
# Distribution



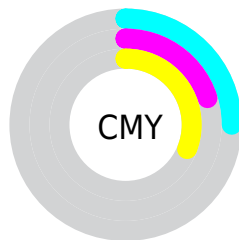
- Red (75%)
- Green (80%)
- Blue (69%)



- Red (69%)
- Yellow (80%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (25%)
- Magenta (20%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2669, 57.5665, 50.0044 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 51.2669, 57.5665, 50.0044 by changing the saturation by 10% instead.



■ 51.2669, 57.5665,  
50.0044

■ 51.2669, 57.5665,  
50.0044

381.9705,  
415.5687, 403.4187

■ 36.6430, 41.4602,  
35.0457

■ 91.2298, 101.2913,  
91.5778

■ 25.1036, 28.6789,  
23.4142

117.2995,  
129.6787, 119.0295

■ 16.2834, 18.8380,  
14.6915

147.9152,  
162.9285, 151.4827

■ 9.8170, 11.5533,  
8.4590

183.4422,  
201.4252, 189.3558

■ 5.3391, 6.4403,  
4.2980

224.2458,  
245.5532, 233.0674

■ 2.4844, 3.1146,  
1.7902

270.6915,

■ 0.8874, 1.1919,

295.6968, 283.0361

0.4215

323.1446,  
352.2405, 339.6803

■ 0.0000, 0.0550,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.2669, 57.5665,  
50.0044

■ 51.2669, 57.5665,  
50.0044

■ 47.1581, 55.6677,  
39.9795

■ 55.8243, 59.6649,  
61.6395

■ 43.4774, 53.9543,  
31.4901

■ 60.8409, 61.9616,  
74.9475

■ 40.2092, 52.4217,  
24.4613

■ 66.3323, 64.4652,  
89.9924

■ 37.3351, 51.0621,  
18.8102

■ 71.7265, 66.9472,  
103.7494

■ 34.8352, 49.8674,  
14.4458

■ 74.6843, 68.4719,  
103.8879

■ 32.6873, 48.8283,  
11.2662

■ 77.7952, 70.0757,  
104.0334

■ 30.8661, 47.9343,  
9.1538

■ 80.8840, 71.6680,  
104.1780

■ 29.3417, 47.1731,  
7.9672

■ 28.4450, 46.7198,  
7.5186

# Harmonies

## Analogous

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



54.0482, 57.5665, 47.2873



51.2669, 57.5665, 50.0044



49.4601, 57.5665, 56.1524

# Triad

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



51.2669, 57.5665, 50.0044



52.3858, 57.5665, 79.5628



60.8156, 57.5665, 60.7814

# Complementary

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



51.2669, 57.5665, 50.0044



47.6098, 46.6243, 63.6199

# 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.



60.3300, 57.5665, 69.6951



51.2669, 57.5665, 50.0044



55.3877, 57.5665, 81.0961

# Square

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



51.2669, 57.5665, 50.0044



50.0889, 57.5665, 73.3221



58.3148, 57.5665, 77.3351



59.6180, 57.5665, 53.1211



# Rectangle

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



51.2669, 57.5665, 50.0044



49.0121, 57.5665, 61.6473



58.3148, 57.5665, 77.3351



60.8445, 57.5665, 63.7244

# Sweetspot

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



51.2685, 57.5690, 50.0056



91.8024, 98.5105, 100.4021



50.9729, 52.2800, 49.0003



19.5218, 21.0267, 21.1590



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.



51.2685, 57.5690, 50.0056



82.8025, 94.3662, 77.6027



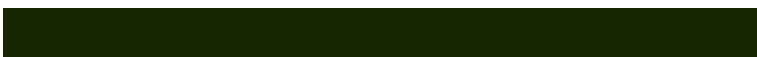
48.0746, 55.9225, 49.8562



11.6539, 12.8390, 11.9434



18.0113, 29.4605, 4.7371



1.0156, 1.5644, 0.2484



# Inverse Universe

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



47.6098, 46.6243, 63.6199



75.5355, 72.6267, 104.6449



51.0347, 48.3899, 63.7801



11.0672, 11.0840, 14.1265



9.6596, 4.1873, 36.2554



0.5851, 0.2608, 1.8744



# Previews

## White Background



This preview shows how the XYZ color 51.2669, 57.5665, 50.0044 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

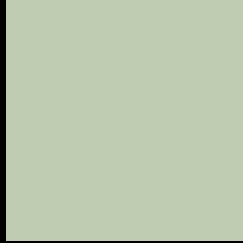
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2669, 57.5665, 50.0044 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

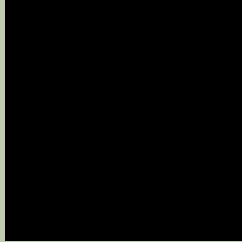
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2669, 57.5665, 50.0044

## Background



This preview shows how black text looks on a background with the XYZ color 51.2669, 57.5665, 50.0044.



This preview shows how white text looks on a background with the XYZ color 51.2669, 57.5665,



# 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

51.2669, 57.5665, 50.0044

### Protanopia

54.3579, 57.4581, 48.2700

### Deuteranopia

58.3504, 57.1227, 50.5982



## Tritanopia

55.8497, 57.7077, 71.8134

# Trichromacy



## Original Color

51.2669, 57.5665, 50.0044

## Protanomaly

53.2531, 57.5649, 48.8618

## Deuteranomaly

55.5074, 56.9903, 50.1942

## Tritanomaly

54.1942, 57.7261, 63.5443

# Monochromacy



## Original Color

51.2669, 57.5665, 50.0044

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.4542, 56.6284, 56.8809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2669, 57.5665, 50.0044 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(192, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(192, 204, 177)  
}
```

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(192, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 204, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2669, 57.5665, 50.0044 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(192, 204, 177) }
```



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

```
.border{ border-color:rgb(192, 204, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 204, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 204, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 204, 177); box-shadow:4px 4px 4px 4px rgb(192, 204, 177) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2669, 57.5665, 50.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 204, 177) }
```

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

```
.background{ background-color: rgb(192,  
204, 177) }
```

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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