

# Converting Colors

XYZ(59.2277, 67.2318, 51.2724)

Have a look what the booklet for  
XYZ(59.2277, 67.2318, 51.2724)  
contains.

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# Color

**XYZ(59.2798, 67.2473,  
51.4506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0DBB1
RGB	208, 219, 177
RGB Percent	82%, 86%, 69%
CMY	0.1843, 0.1412, 0.3059
CMYK	0.05, 0.00, 0.19, 0.14
HSL	76°, 37%, 78%
HSV	76°, 19%, 86%
XYZ	59.2798, 67.2473, 51.4506
YIQ	210.9230, 6.9260, -15.3940

# Conversions

## Conversions Part 2

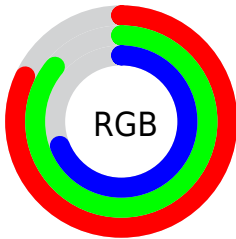
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 219, 188
Decimal	13687729
CIELab	85.63, -10.86, 19.44
CIELCh	86, 22.271, 119.184
Yxy	67.2473, 0.3331, 0.3778
Android (android.graphics.Color)	4291877809 (0xFFD0DBB1)
YUV	210.9230, -16.7240, -2.5635
Hunter-Lab	82.0045, -14.4728, 20.2038

# Details

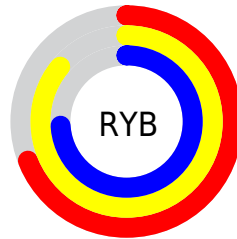
The XYZ color **59.2798, 67.2473, 51.4506** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.2500, 47.2519, 73.5463**, and the grayscale version is **61.9713, 65.1987, 71.0014**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **30.0504, 34.7785, 24.1979** is the 20% darker color. If you saturate the color by 10%, you get **55.6862, 65.6291, 40.7877**, and if you desaturate by 10%, it is **63.2857, 69.0417, 63.9643**.

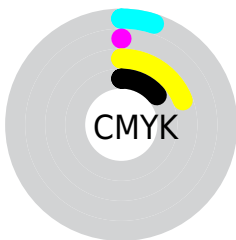
# Distribution



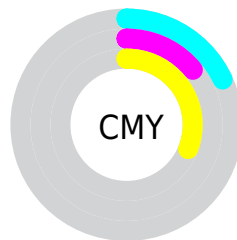
- Red (82%)
- Green (86%)
- Blue (69%)



- Red (69%)
- Yellow (86%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)



- Cyan (18%)
- Magenta (14%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2798, 67.2473, 51.4506 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 59.2798, 67.2473, 51.4506 by changing the saturation by 10% instead.



■ 59.2798, 67.2473,  
51.4506

■ 59.2798, 67.2473,  
51.4506

411.8154,  
450.8245, 409.2084

■ 43.0856, 49.2856,  
36.1881

■ 102.8965,  
115.2747, 93.7388

■ 30.1471, 34.8461,  
24.2887

131.0498,  
146.1092, 121.6016

■ 20.0989, 23.5444,  
15.3337

163.9201,  
182.0035, 154.5016

■ 12.5756, 14.9960,  
8.9047

201.8729,  
223.3418, 192.8573

■ 7.2120, 8.8166,  
4.5831

245.2735,  
270.5087, 237.0873

■ 3.6425, 4.6217,  
1.9504


294.4872,


■ 1.5020, 2.0271,

323.8886, 287.6101


0.5245


349.8794,  
383.8657, 344.8443

 0.3272, 0.6231,  
0.0000


 0.0000, 0.0000,  
0.0000

 59.2798, 67.2473,  
51.4506


 59.2798, 67.2473,  
51.4506


 55.6862, 65.6291,  
40.7877


 63.2857, 69.0417,  
63.9643

 52.4823, 64.1712,  
31.8833

 67.7147, 71.0098,  
78.4063

 49.6512, 62.8690,  
24.6438

 72.5839, 73.1610,  
94.8553

 47.1726, 61.7143,  
18.9652

 76.3223, 74.8667,  
105.0358

■ 45.0237, 60.6981,  
14.7319

■ 78.2044, 75.8369,  
105.1239

■ 43.1791, 59.8098,  
11.8122

■ 80.1477, 76.8388,  
105.2149

■ 41.6084, 59.0375,  
10.0502

■ 82.1528, 77.8724,  
105.3087

■ 40.2632, 58.3615,  
9.1944

■ 84.2203, 78.9383,  
105.4055

■ 40.1578, 58.3083,  
9.1381

■ 84.6229, 79.1458,  
105.4243

# Harmonies

## Analogous

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



64.0554, 67.2473, 48.7020



59.2798, 67.2473, 51.4506



55.9045, 67.2473, 59.8295

# Triad

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



59.2798, 67.2473, 51.4506



59.0515, 67.2473, 99.9110



74.1681, 67.2473, 73.6190

# Complementary

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



59.2798, 67.2473, 51.4506



49.2500, 47.2519, 73.5463

# 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.



72.6597, 67.2473, 88.4747



59.2798, 67.2473, 51.4506



63.7779, 67.2473, 104.8354

# Square

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



59.2798, 67.2473, 51.4506



55.7777, 67.2473, 87.6961



68.7890, 67.2473, 100.4007



72.8110, 67.2473, 60.4332



# Rectangle

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



59.2798, 67.2473, 51.4506



54.8113, 67.2473, 68.1058



68.7890, 67.2473, 100.4007



73.9781, 67.2473, 78.5859

# Sweetspot

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



59.2816, 67.2503, 51.4520



91.2243, 98.3011, 96.3706



55.0282, 53.9896, 49.1167



19.4395, 21.0021, 20.3485



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

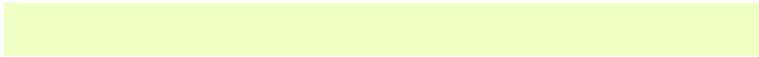


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2816, 67.2503, 51.4520



81.5748, 93.9828, 66.2747



53.8856, 64.4685, 51.1995



13.8120, 15.0833, 13.9090



23.9181, 34.6277, 5.4232



1.6287, 2.2841, 0.3550



# Inverse Universe

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



49.2500, 47.2519, 73.5463



64.9385, 60.8128, 102.9232



54.6639, 50.0429, 73.7997



12.6570, 12.7813, 16.4521



8.6828, 3.6003, 39.9757



0.6431, 0.2748, 2.5936



# Previews

## White Background



This preview shows how the XYZ color 59.2798, 67.2473, 51.4506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

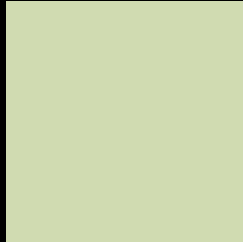
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2798, 67.2473, 51.4506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

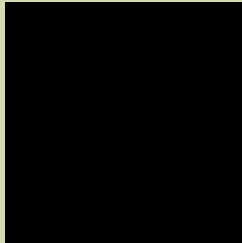
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

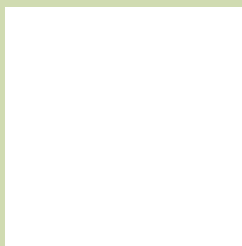
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.2798, 67.2473, 51.4506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2798, 67.2473, 51.4506.



This preview shows how white text looks on a background with the XYZ color 59.2798, 67.2473,



# 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

59.2798, 67.2473, 51.4506

### Protanopia

62.7983, 66.8132, 49.6308

### Deuteranopia

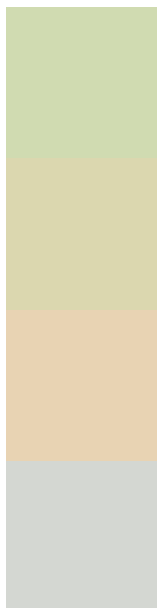
68.3156, 67.0307, 52.5176



## Tritanopia

65.7107, 67.1912, 83.6346

# Trichromacy



## Original Color

59.2798, 67.2473, 51.4506

## Protanomaly

61.2517, 66.7561, 50.2143

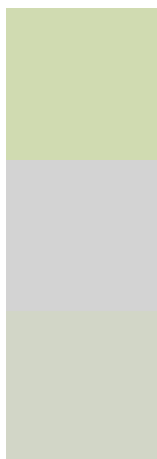
## Deuteranomaly

64.7097, 66.9990, 52.1694

## Tritanomaly

63.0847, 67.2511, 70.6286

# Monochromacy



## Original Color

59.2798, 67.2473, 51.4506

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.9337, 65.9183, 63.5448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2798, 67.2473, 51.4506 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, 219, 177)` looks like.

```
.text, #text, p{  
    color:rgb(208, 219, 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(208, 219, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 219, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2798, 67.2473, 51.4506 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, 219, 177) }
```



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

```
.border{ border-color:rgb(208, 219, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 219, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 219, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 219, 177);  
box-shadow:4px 4px 4px 4px rgb(208, 219,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2798, 67.2473, 51.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 219, 177) }
```

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

```
.background{ background-color: rgb(208,  
219, 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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