

# Converting Colors

XYZ(58.4688, 66.8115, 51.2173)

Have a look what the booklet for  
XYZ(58.4688, 66.8115, 51.2173)  
contains.

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# Color

**XYZ(58.4442, 66.8165,  
51.4115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDDBB1
RGB	205, 219, 177
RGB Percent	80%, 86%, 69%
CMY	0.1961, 0.1412, 0.3059
CMYK	0.06, 0.00, 0.19, 0.14
HSL	80°, 37%, 78%
HSV	80°, 19%, 86%
XYZ	58.4442, 66.8165, 51.4115
YIQ	210.0260, 5.1380, -16.0300

# Conversions

## Conversions Part 2

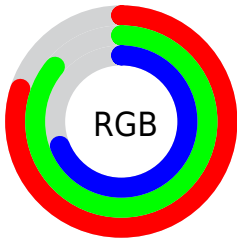
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 219, 191
Decimal	13491121
CIELab	85.41, -11.94, 19.11
CIELCh	85, 22.531, 121.998
Yxy	66.8165, 0.3308, 0.3782
Android (android.graphics.Color)	4291681201 (0xFFCDDBB1)
YUV	210.0260, -16.2818, -4.4078
Hunter-Lab	81.7414, -15.4218, 19.9283

# Details

The XYZ color **58.4442, 66.8165, 51.4115** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.9968, 47.6369, 73.5812**, and the grayscale version is **61.3783, 64.5748, 70.3219**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **29.6760, 34.5855, 24.1804** is the 20% darker color. If you saturate the color by 10%, you get **54.4672, 65.0006, 40.7306**, and if you desaturate by 10%, it is **62.8691, 68.8268, 63.9448**.

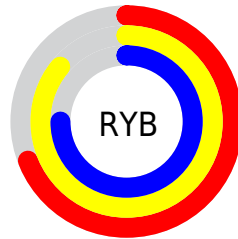
# Distribution



Red (80%)

Green (86%)

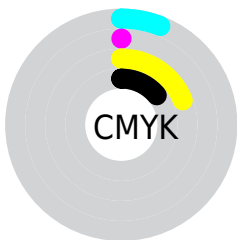
Blue (69%)



Red (69%)

Yellow (86%)

Blue (75%)

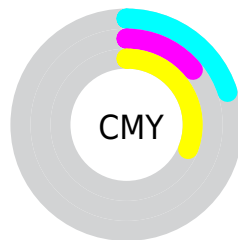


Cyan (6%)

Magenta (0%)

Yellow (19%)

Black (14%)



Cyan (20%)

Magenta (14%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4442, 66.8165, 51.4115 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 58.4442, 66.8165, 51.4115 by changing the saturation by 10% instead.




 58.4442, 66.8165,  
51.4115

 58.4442, 66.8165,  
51.4115


408.7663,  
449.2913, 409.0526

 42.4105, 48.9355,  
36.1572


 101.6887,  
114.6574, 93.6805

 29.6154, 34.5683,  
24.2650

129.6302,  
145.3862, 121.5322

 19.6935, 23.3305,  
15.3163


162.2717,  
181.1663, 154.4202

 12.2794, 14.8378,  
8.8926


199.9785,  
222.3822, 192.7630

 7.0078, 8.7056,  
4.5753

243.1160,  
269.4182, 236.9790

 3.5133, 4.5497,  
1.9460

292.0496,

 1.4307, 1.9855,

322.6588, 287.4870

0.5218

347.1446,  
382.4884, 344.7053

■ 0.2779, 0.5991,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.4442, 66.8165,  
51.4115

■ 58.4442, 66.8165,  
51.4115

■ 54.4672, 65.0006,  
40.7306

■ 62.8691, 68.8268,  
63.9448

■ 50.9150, 63.3631,  
31.8099

■ 67.7534, 71.0297,  
78.4081

■ 47.7698, 61.8991,  
24.5557

■ 73.1148, 73.4346,  
94.8801

■ 45.0108, 60.5998,  
18.8641

■ 77.3830, 75.4134,  
105.0855

■ 42.6144, 59.4559,  
14.6192

■ 79.8329, 76.6764,  
105.2001

■ 40.5544, 58.4567,  
11.6893

■ 82.3828, 77.9909,  
105.3195

■ 38.7998, 57.5895,  
9.9187

■ 84.6229, 79.1458,  
105.4243

■ 37.3013, 56.8346,  
9.0558

■ 37.1846, 56.7756,  
8.9989

# Harmonies

## Analogous

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



63.1654, 66.8165, 48.1083



58.4442, 66.8165, 51.4115



55.2249, 66.8165, 60.3297

# Triad

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



58.4442, 66.8165, 51.4115



59.0070, 66.8165, 100.5167



73.8358, 66.8165, 71.7758

# Complementary

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



58.4442, 66.8165, 51.4115



49.9968, 47.6369, 73.5812

# 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.



72.5784, 66.8165, 86.7718



58.4442, 66.8165, 51.4115



63.8500, 66.8165, 104.6351

# Square

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



58.4442, 66.8165, 51.4115



55.5374, 66.8165, 88.6956



68.8542, 66.8165, 99.3054



72.2049, 66.8165, 58.8432



# Rectangle

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



58.4442, 66.8165, 51.4115



54.2702, 66.8165, 68.9062



68.8542, 66.8165, 99.3054



73.7367, 66.8165, 76.7379

# Sweetspot

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



58.4460, 66.8194, 51.4129



90.8317, 98.0988, 96.3522



55.7824, 55.4982, 49.3681



19.3466, 20.9542, 20.3441



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

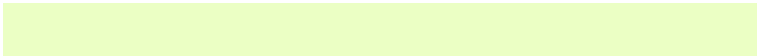


# Same Dimension

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



58.4460, 66.8194, 51.4129



80.1720, 93.2596, 66.2091



53.0366, 64.0308, 51.1598



13.7185, 15.0351, 13.9046



22.1681, 33.7255, 5.3413



1.5261, 2.2313, 0.3502



# Inverse Universe

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



49.9968, 47.6369, 73.5812



66.1596, 61.4423, 102.9803



55.6621, 50.5575, 73.8463



12.7457, 12.8270, 16.4562



9.3157, 3.9266, 40.0053

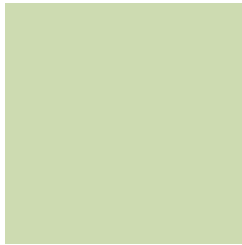


0.6932, 0.3006, 2.5959



# Previews

## White Background



This preview shows how the XYZ color 58.4442, 66.8165, 51.4115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

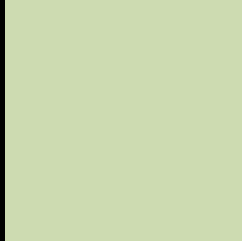
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4442, 66.8165, 51.4115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

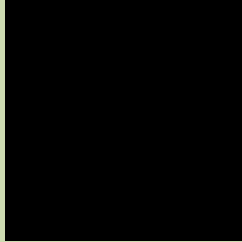
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

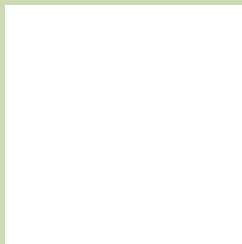
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.4442, 66.8165, 51.4115

## Background



This preview shows how black text looks on a background with the XYZ color 58.4442, 66.8165, 51.4115.



This preview shows how white text looks on a background with the XYZ color 58.4442, 66.8165,



# 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

58.4442, 66.8165, 51.4115

### Protanopia

62.7983, 66.8132, 49.6308

### Deuteranopia

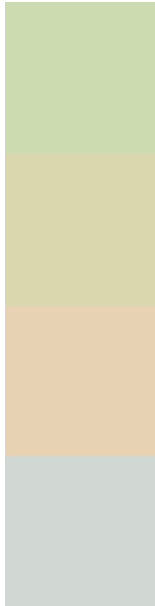
68.0756, 66.5508, 52.4376



## Tritanopia

64.8377, 66.7412, 83.5938

# Trichromacy



## Original Color

58.4442, 66.8165, 51.4115

## Protanomaly

60.9517, 66.6014, 50.2003

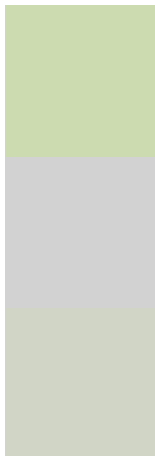
## Deuteranomaly

64.1383, 66.3368, 52.0717

## Tritanomaly

62.2278, 66.8093, 70.5885

# Monochromacy



## Original Color

58.4442, 66.8165, 51.4115

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.9997, 65.0756, 62.8246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4442, 66.8165, 51.4115 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(205, 219, 177)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 219, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 219, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4442, 66.8165, 51.4115 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(205, 219, 177) }
```



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

```
.border{ border-color:rgb(205, 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(205, 219, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 219, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 219, 177);  
box-shadow:4px 4px 4px 4px rgb(205, 219,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4442, 66.8165, 51.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 219, 177) }
```

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

```
.background{ background-color: rgb(205,  
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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