

# Converting Colors

XYZ(58.8124, 66.3610, 58.5721)

Have a look what the booklet for  
XYZ(58.8124, 66.3610, 58.5721)  
contains.

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# Color

**XYZ(58.7228, 66.4171,  
58.4400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CADABE
RGB	202, 218, 190
RGB Percent	79%, 85%, 75%
CMY	0.2078, 0.1451, 0.2549
CMYK	0.07, 0.00, 0.13, 0.15
HSL	94°, 27%, 80%
HSV	94°, 13%, 85%
XYZ	58.7228, 66.4171, 58.4400
YIQ	210.0240, -0.5480, -12.1000

# Conversions

## Conversions Part 2

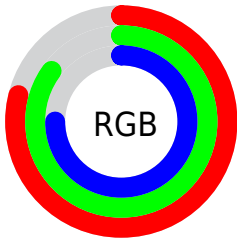
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 218, 206</a>
Decimal	<a href="#">13294270</a>
CIELab	<a href="#">85.21, -10.39, 11.96</a>
CIELCh	<a href="#">85, 15.846, 130.980</a>
Yxy	<a href="#">66.4171, 0.3199, 0.3618</a>
Android (android.graphics.Color)	<a href="#">4291484350 (0xFFCADABE)</a>
YUV	<a href="#">210.0240, -9.8718, -7.0370</a>
Hunter-Lab	<a href="#">81.4967, -14.0002, 14.5317</a>

# Details

The XYZ color **58.7228, 66.4171, 58.4400** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.5247, 55.0126, 73.9725**, and the grayscale version is **61.3389, 64.5333, 70.2768**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **29.8253, 34.2964, 28.7148** is the 20% darker color. If you saturate the color by 10%, you get **53.2803, 63.8684, 46.6638**, and if you desaturate by 10%, it is **64.7975, 69.2545, 72.1089**.

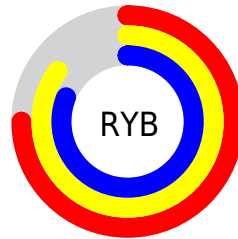
# Distribution



Red (79%)

Green (85%)

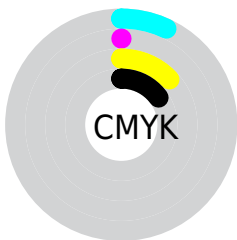
Blue (75%)



Red (75%)

Yellow (85%)

Blue (81%)

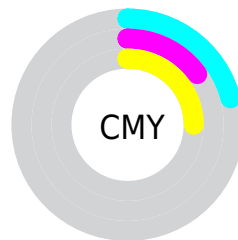


Cyan (7%)

Magenta (0%)

Yellow (13%)

Black (15%)



Cyan (21%)

Magenta (15%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7228, 66.4171, 58.4400 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 58.7228, 66.4171, 58.4400 by changing the saturation by 10% instead.





 58.7228, 66.4171,  
58.4400

 58.7228, 66.4171,  
58.4400

409.7845,  
447.8671, 436.4674

 42.6355, 48.6111,  
41.7454


 102.0916,  
114.0848, 104.0844

 29.7925, 34.3111,  
28.5779


130.1039,  
144.7152, 133.8714

 19.8285, 23.1327,  
18.5189


162.8218,  
180.3892, 168.8595

 12.3779, 14.6915,  
11.1499

200.6108,  
221.4913, 209.4674

 7.0756, 8.6032,  
6.0523

243.8362,  
268.4057, 256.1137

 3.5562, 4.4833,  
2.8076

292.8634,

 1.4543, 1.9474,

321.5168, 309.2167

0.9973

348.0577,  
381.2092, 369.1951

■ 0.2944, 0.5766,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7228, 66.4171,  
58.4400

■ 58.7228, 66.4171,  
58.4400

■ 53.2803, 63.8684,  
46.6638

■ 64.7975, 69.2545,  
72.1089

■ 48.4426, 61.5901,  
36.6928

■ 71.5201, 72.3810,  
87.7445

■ 44.1878, 59.5750,  
28.4386

■ 78.8473, 75.7822,  
105.0795

■ 40.4906, 57.8120,  
21.8041

■ 83.2089, 78.0306,  
105.2836

■ 37.3235, 56.2894,  
16.6822

■ 84.3627, 78.6255,  
105.3376

■ 34.6564, 54.9943,  
12.9531

■ 32.4552, 53.9120,  
10.4787

■ 30.6800, 53.0257,  
9.0926

■ 29.6289, 52.4943,  
8.5708

# Harmonies

## Analogous

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



61.8263, 66.4171, 54.6493



58.7228, 66.4171, 58.4400



56.8447, 66.4171, 66.0844

# Triad

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



58.7228, 66.4171, 58.4400



60.9120, 66.4171, 92.5874



70.1243, 66.4171, 68.6291

# Complementary

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



58.7228, 66.4171, 58.4400



56.5247, 55.0126, 73.9725

# 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.



69.8569, 66.4171, 78.9295



58.7228, 66.4171, 58.4400



64.4468, 66.4171, 93.4329

# Square

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



58.7228, 66.4171, 58.4400



58.0753, 66.4171, 86.0216



67.7470, 66.4171, 88.2332



68.4645, 66.4171, 60.1511



# Rectangle

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



58.7228, 66.4171, 58.4400



56.4961, 66.4171, 72.6543



67.7470, 66.4171, 88.2332



70.2584, 66.4171, 71.9806

# Sweetspot

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



58.7246, 66.4200, 58.4414



91.3387, 98.2715, 100.3804



60.2496, 62.7042, 57.6439



19.4044, 20.9662, 21.1535



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

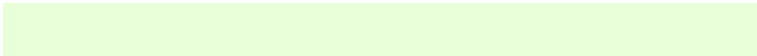


# Same Dimension

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



58.7246, 66.4200, 58.4414



81.9018, 93.8639, 79.2761



55.8083, 64.8928, 59.3771



13.4129, 14.8776, 13.8903



17.8676, 31.5086, 5.1400



1.2549, 2.0914, 0.3376



# Inverse Universe

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



56.5247, 55.0126, 73.9725



78.2636, 74.9999, 104.9592



59.7414, 56.6989, 72.8548



13.0475, 12.9826, 16.4704



12.7381, 5.6909, 40.1655

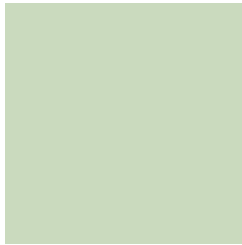


0.9231, 0.4192, 2.6067



# Previews

## White Background



This preview shows how the XYZ color 58.7228, 66.4171, 58.4400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

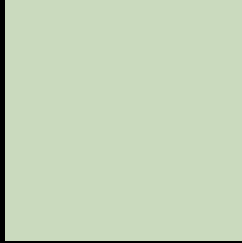
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7228, 66.4171, 58.4400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

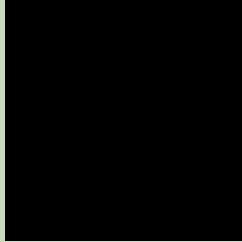
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

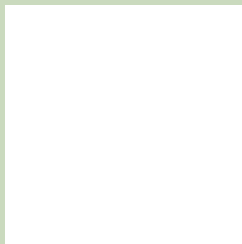
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.7228, 66.4171, 58.4400

## Background



This preview shows how black text looks on a background with the XYZ color 58.7228, 66.4171, 58.4400.



This preview shows how white text looks on a background with the XYZ color 58.7228, 66.4171,



# 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

58.7228, 66.4171, 58.4400

### Protanopia

62.6373, 66.2044, 56.4911

### Deuteranopia

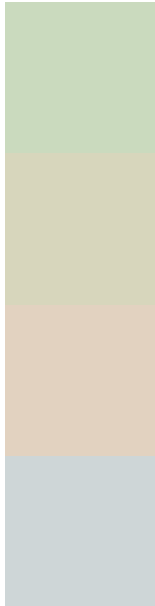
67.3921, 66.0382, 59.6468



## Tritanopia

63.6988, 66.1540, 83.5405

# Trichromacy



## Original Color

58.7228, 66.4171, 58.4400

## Protanomaly

61.1480, 66.1710, 57.1264

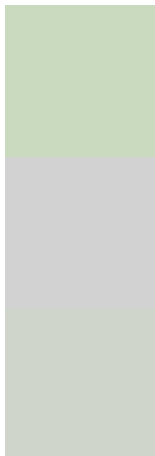
## Deuteranomaly

63.9251, 66.0677, 59.2523

## Tritanomaly

61.7659, 66.1212, 73.7972

# Monochromacy



## Original Color

58.7228, 66.4171, 58.4400

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.3059, 65.1657, 65.8997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7228, 66.4171, 58.4400 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(202, 218, 190) looks like.

```
.text, #text, p{  
    color:rgb(202, 218, 190)  
}
```

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(202, 218, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 218, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7228, 66.4171, 58.4400 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(202, 218, 190) }
```



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

```
.border{ border-color:rgb(202, 218, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 218, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 218, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 218, 190);  
box-shadow:4px 4px 4px 4px rgb(202, 218,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7228, 66.4171, 58.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 218, 190) }
```

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

```
.background{ background-color: rgb(202,  
218, 190) }
```

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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