

# Converting Colors

XYZ(57.9330, 61.6113, 48.0584)

Have a look what the booklet for  
XYZ(57.9330, 61.6113, 48.0584)  
contains.

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# Color

**XYZ(58.1330, 61.8729,  
47.9085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9CEAC
RGB	217, 206, 172
RGB Percent	85%, 81%, 67%
CMY	0.1490, 0.1921, 0.3255
CMYK	0.00, 0.05, 0.21, 0.15
HSL	45°, 37%, 76%
HSV	45°, 21%, 85%
XYZ	58.1330, 61.8729, 47.9085
YIQ	205.4130, 17.4700, -8.2420

# Conversions

## Conversions Part 2

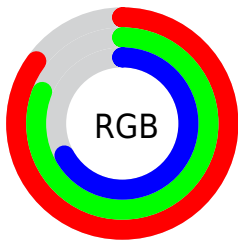
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 217, 172
Decimal	14274220
CIELab	82.85, -1.64, 18.31
CIELCh	83, 18.379, 95.111
Yxy	61.8729, 0.3462, 0.3685
Android (android.graphics.Color)	4292464300 (0xFFD9CEAC)
YUV	205.4130, -16.4726, 10.1618
Hunter-Lab	78.6593, -5.7338, 18.9502

# Details

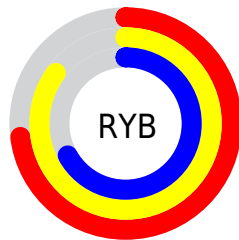
The XYZ color **58.1330, 61.8729, 47.9085** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.4710, 47.6464, 72.3934**, and the grayscale version is **58.3866, 61.4273, 66.8943**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **29.5187, 31.4939, 22.2924** is the 20% darker color. If you saturate the color by 10%, you get **54.9623, 58.5986, 37.3956**, and if you desaturate by 10%, it is **61.6904, 65.3750, 60.2308**.

# Distribution



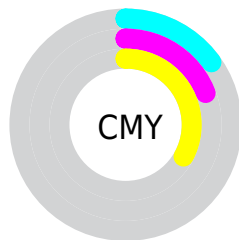
- Red (85%)
- Green (81%)
- Blue (67%)



- Red (73%)
- Yellow (85%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (15%)



- Cyan (15%)
- Magenta (19%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1330, 61.8729, 47.9085 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 58.1330, 61.8729, 47.9085 by changing the saturation by 10% instead.



■ 58.1330, 61.8729,  
47.9085

■ 58.1330, 61.8729,  
47.9085

407.6272,  
431.4673, 394.9276

■ 42.1593, 44.9300,  
33.3950

■ 101.2384,  
107.5418, 88.4323

■ 29.4177, 31.4023,  
22.1556

129.1007,  
137.0366, 115.2796

■ 19.5429, 20.9054,  
13.7719

161.6566,  
171.4842, 147.0753

■ 12.1695, 13.0549,  
7.8252

199.2714,  
211.2689, 184.2378

■ 6.9323, 7.4663,  
3.8972

242.3106,  
256.7752, 227.1858

■ 3.4657, 3.7554,  
1.5691

291.1393,

■ 1.4046, 1.5377,

308.3874, 276.3377

0.2686

346.1231,  
366.4900, 332.1121

■ 0.2595, 0.3150,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1330, 61.8729,  
47.9085

■ 58.1330, 61.8729,  
47.9085

■ 54.9623, 58.5986,  
37.3956

■ 61.6904, 65.3750,  
60.2308

■ 52.1565, 55.5363,  
28.6010

■ 65.6453, 69.1037,  
74.4395

■ 49.6990, 52.6809,  
21.4318

■ 70.0144, 73.0681,  
90.6123

■ 47.5696, 50.0237,  
15.7847

■ 74.1932, 77.0274,  
105.5651

45.7461, 47.5550,  
11.5444

75.6677, 79.9764,  
106.0566

44.2030, 45.2639,  
8.5790

77.1873, 83.0155,  
106.5631

42.9101, 43.1376,  
6.7313

78.7523, 86.1456,  
107.0848

41.8870, 41.2949,  
5.7630

80.3632, 89.3673,  
107.6218

82.0203, 92.6815,  
108.1741

# Harmonies

## Analogous

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



62.0698, 61.8729, 49.4689



58.1330, 61.8729, 47.9085



54.5389, 61.8729, 51.0661

# Triad

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



58.1330, 61.8729, 47.9085



52.7998, 61.8729, 80.6986



65.9855, 61.8729, 76.9647

# Complementary

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



58.1330, 61.8729, 47.9085



46.4710, 47.6464, 72.3934

# 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.



63.2950, 61.8729, 86.8179



58.1330, 61.8729, 47.9085



55.6632, 61.8729, 89.1375

# Square

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



58.1330, 61.8729, 47.9085



51.5492, 61.8729, 69.3293



59.4889, 61.8729, 91.4933



66.7188, 61.8729, 65.4461



# Rectangle

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



58.1330, 61.8729, 47.9085



52.7841, 61.8729, 55.6554



59.4889, 61.8729, 91.4933



65.2743, 61.8729, 80.6208

# Sweetspot

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



58.1346, 61.8757, 47.9098



91.5026, 96.6913, 96.0452



51.9418, 47.6869, 51.4040



19.5055, 20.6204, 20.2713



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.



58.1346, 61.8757, 47.9098



81.6620, 87.0137, 61.9259



57.6441, 65.6908, 48.6721



13.8787, 14.6967, 13.8308



25.4426, 25.1708, 3.5175



1.7140, 1.7621, 0.2498



# Inverse Universe

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



46.4710, 47.6464, 72.3934



61.8697, 62.8706, 103.4821



46.8656, 44.6137, 71.7873



12.5958, 13.1314, 16.5229



8.4227, 4.7149, 40.2045

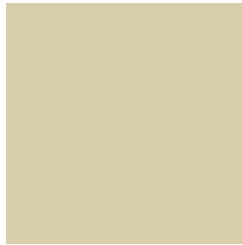


0.6133, 0.4408, 2.6272



# Previews

## White Background



This preview shows how the XYZ color 58.1330, 61.8729, 47.9085 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 58.1330, 61.8729, 47.9085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

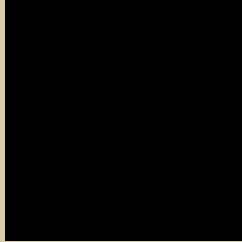
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

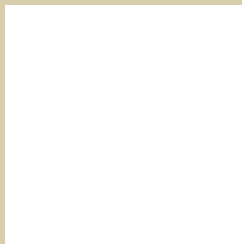
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.1330, 61.8729, 47.9085

## Background



This preview shows how black text looks on a background with the XYZ color 58.1330, 61.8729, 47.9085.



This preview shows how white text looks on a background with the XYZ color 58.1330, 61.8729,



# 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

58.1330, 61.8729, 47.9085

### Protanopia

58.4311, 62.0266, 47.9224

### Deuteranopia

63.0940, 61.6213, 48.6131



## Tritanopia

63.4804, 61.9544, 73.5784

# Trichromacy



## Original Color

58.1330, 61.8729, 47.9085

## Protanomaly

58.4311, 62.0266, 47.9224

## Deuteranomaly

61.0626, 61.6134, 48.2094

## Tritanomaly

61.3647, 61.7833, 63.3347

# Monochromacy



## Original Color

58.1330, 61.8729, 47.9085

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.7515, 61.0682, 59.1956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1330, 61.8729, 47.9085 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(217, 206, 172) looks like.

```
.text, #text, p{  
    color:rgb(217, 206, 172)  
}
```

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(217, 206, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 206, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1330, 61.8729, 47.9085 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(217, 206, 172) }
```



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

```
.border{ border-color:rgb(217, 206, 172) }
```

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

Here you see how a box with a 4 pixel rgb(217, 206, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 206, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 206, 172);  
box-shadow:4px 4px 4px 4px rgb(217, 206,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1330, 61.8729, 47.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 206, 172) }
```

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

```
.background{ background-color: rgb(217,  
206, 172) }
```

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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