

# Converting Colors

XYZ(53.4689, 58.9105, 28.8835)

Have a look what the booklet for  
XYZ(53.4689, 58.9105, 28.8835)  
contains.

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# Color

**XYZ(53.5711, 58.8693,  
28.9615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8CB80
RGB	216, 203, 128
RGB Percent	85%, 80%, 50%
CMY	0.1529, 0.2039, 0.4980
CMYK	0.00, 0.06, 0.41, 0.15
HSL	51°, 53%, 67%
HSV	51°, 41%, 85%
XYZ	53.5711, 58.8693, 28.9615
YIQ	198.3370, 31.8230, -20.5690

# Conversions

## Conversions Part 2

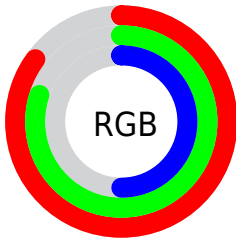
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 216, 128
Decimal	14207872
CIELab	81.22, -6.03, 39.00
CIElCh	81, 39.462, 98.795
Yxy	58.8693, 0.3789, 0.4163
Android (android.graphics.Color)	4292397952 (0xFFD8CB80)
YUV	198.3370, -34.6761, 15.4905
Hunter-Lab	76.7263, -9.6406, 31.3285

# Details

The XYZ color **53.5711, 58.8693, 28.9615** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.8214, 28.5959, 68.8607**, and the grayscale version is **54.0738, 56.8898, 61.9530**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **26.5842, 29.5043, 11.3149** is the 20% darker color. If you saturate the color by 10%, you get **51.5530, 56.8713, 22.0057**, and if you desaturate by 10%, it is **55.9102, 61.0248, 37.5187**.

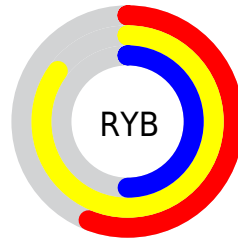
# Distribution



Red (85%)

Green (80%)

Blue (50%)



Red (56%)

Yellow (85%)

Blue (50%)

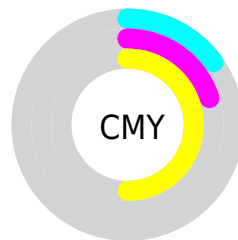


Cyan (0%)

Magenta (6%)

Yellow (41%)

Black (15%)



Cyan (15%)

Magenta (20%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5711, 58.8693, 28.9615 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 53.5711, 58.8693, 28.9615 by changing the saturation by 10% instead.



■ 53.5711, 58.8693,  
28.9615

■ 53.5711, 58.8693,  
28.9615

390.6975,  
420.4174, 311.0885

■ 38.4882, 42.5079,  
18.8064

■ 94.6048, 103.1877,  
59.0574

■ 26.5407, 29.4992,  
11.3551

■ 121.2863,  
131.9135, 79.8352

■ 17.3634, 19.4588,  
6.1890

■ 152.5647,  
165.5295, 104.9910

■ 10.5908, 12.0023,  
2.8897

188.8053,  
204.4202, 134.9433

■ 5.8577, 6.7452,  
1.0386

230.3735,  
248.9699, 170.1107

■ 2.7986, 3.3033,  
0.0000

277.6347,

■ 1.0482, 1.2920,

299.5631, 210.9116

0.0000

330.9543,  
356.5841, 257.7647

■ 0.0000, 0.1350,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.5711, 58.8693,  
28.9615

■ 53.5711, 58.8693,  
28.9615

■ 51.5530, 56.8713,  
22.0057

■ 55.9102, 61.0248,  
37.5187

■ 49.8322, 55.0147,  
16.5457

■ 58.5838, 63.3369,  
47.7668


■ 48.3884, 53.2934,  
12.4686


■ 61.6098, 65.8150,  
59.7929


■ 47.1968, 51.6974,  
9.6444

■ 65.0033, 68.4654,  
73.6771


 46.2277, 50.2146,  
7.9179


 68.7789, 71.2939,  
89.4946

 45.4810, 48.9232,  
7.0460

 72.5281, 74.1375,  
105.0951

 73.3841, 75.8494,  
105.3804

 74.2561, 77.5935,  
105.6711

 75.1444, 79.3700,  
105.9671

# Harmonies

## Analogous

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



61.8680, 58.8693, 30.4786



53.5711, 58.8693, 28.9615



46.6224, 58.8693, 34.8931

# Triad

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



53.5711, 58.8693, 28.9615



44.5156, 58.8693, 96.8523



72.0223, 58.8693, 81.9071

# Complementary

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



53.5711, 58.8693, 28.9615



30.8214, 28.5959, 68.8607

# 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.



66.4533, 58.8693, 106.2524



53.5711, 58.8693, 28.9615



50.4285, 58.8693, 116.2458

# Square

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



53.5711, 58.8693, 28.9615



41.7407, 58.8693, 71.2731



58.4055, 58.8693, 120.0531



73.0738, 58.8693, 57.4226



# Rectangle

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



53.5711, 58.8693, 28.9615



43.4929, 58.8693, 43.3885



58.4055, 58.8693, 120.0531



70.5921, 58.8693, 90.5305

# Sweetspot

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



53.5726, 58.8720, 28.9627



89.0843, 95.3344, 84.5119



40.8611, 31.9669, 29.2948



18.9389, 20.3016, 17.5725



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.



53.5726, 58.8720, 28.9627



75.4264, 83.1807, 33.2168



48.5083, 61.0095, 29.6422



13.3093, 14.1928, 13.1987



26.9825, 29.0823, 4.1913



1.6710, 1.8411, 0.2673



# Inverse Universe

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



30.8214, 28.5959, 68.8607



37.9322, 33.3070, 99.0374



34.3728, 27.7474, 68.5098



11.8891, 12.3017, 15.6854



7.6889, 3.6396, 38.7504



0.5120, 0.3160, 2.3533



# Previews

## White Background



This preview shows how the XYZ color 53.5711, 58.8693, 28.9615 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 53.5711, 58.8693, 28.9615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

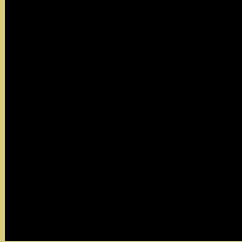
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.5711, 58.8693, 28.9615**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5711, 58.8693, 28.9615.



This preview shows how white text looks on a background with the XYZ color 53.5711, 58.8693,



# 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

53.5711, 58.8693, 28.9615

### Protanopia

54.5320, 59.0152, 28.9390

### Deuteranopia

60.0614, 58.8063, 29.3043



## Tritanopia

61.5065, 58.7015, 67.7633

# Trichromacy



## Original Color

53.5711, 58.8693, 28.9615

## Protanomaly

54.2302, 58.8596, 28.9249

## Deuteranomaly

57.5330, 58.8411, 29.0940

## Tritanomaly

58.2271, 58.7168, 50.9124

# Monochromacy



## Original Color

53.5711, 58.8693, 28.9615

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.3739, 57.3048, 47.7830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5711, 58.8693, 28.9615 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(216, 203, 128)` looks like.

```
.text, #text, p{  
    color:rgb(216, 203, 128)  
}
```

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(216, 203, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 203, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5711, 58.8693, 28.9615 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(216, 203, 128) }
```



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

```
.border{ border-color:rgb(216, 203, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 203, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 203, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 203, 128);  
box-shadow:4px 4px 4px 4px rgb(216, 203,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5711, 58.8693, 28.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 203, 128) }
```

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

```
.background{ background-color: rgb(216,  
203, 128) }
```

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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