

# Converting Colors

XYZ(57.8597, 71.3913, 30.8090)

Have a look what the booklet for  
XYZ(57.8597, 71.3913, 30.8090)  
contains.

<b>XYZ(57.8597, 71.3913, 30.8090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.8597, 71.3913,  
30.8090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE67F
RGB	207, 230, 127
RGB Percent	81%, 90%, 50%
CMY	0.1882, 0.0980, 0.5019
CMYK	0.10, 0.00, 0.45, 0.10
HSL	73°, 67%, 70%
HSV	73°, 45%, 90%
XYZ	57.8597, 71.3913, 30.8090
YIQ	211.3810, 19.3550, -36.9090

# Conversions

## Conversions Part 2

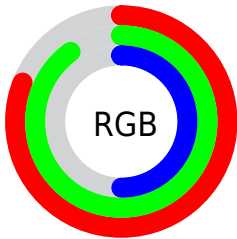
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 230, 150</a>
Decimal	<a href="#">13624959</a>
CIELab	<a href="#">87.67, -23.12, 47.45</a>
CIElCh	<a href="#">88, 52.780, 115.976</a>
Yxy	<a href="#">71.3913, 0.3615, 0.4460</a>
Android (android.graphics.Color)	<a href="#">4291815039 (0xFFCFE67F)</a>
YUV	<a href="#">211.3810, -41.5998, -3.8421</a>
Hunter-Lab	<a href="#">84.4934, -25.6295, 37.5263</a>

# Details

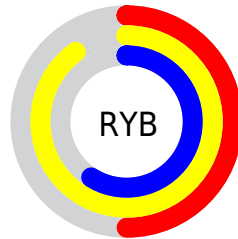
The XYZ color **57.8597, 71.3913, 30.8090** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.4526, 27.3778, 78.3356**, and the grayscale version is **62.4282, 65.6793, 71.5248**.

A 20% lighter version of the original color is **85.3405, 96.1162, 57.7704**, and **29.1685, 37.3594, 12.3304** is the 20% darker color. If you saturate the color by 10%, you get **55.1172, 70.1337, 23.7295**, and if you desaturate by 10%, it is **60.9946, 72.8163, 39.6958**.

# Distribution



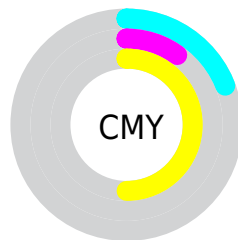
- Red (81%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (59%)



- Cyan (10%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8597, 71.3913, 30.8090 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 57.8597, 71.3913, 30.8090 by changing the saturation by 10% instead.



57.8597, 71.3913,  
30.8090

57.8597, 71.3913,  
30.8090

406.6252,  
465.4202, 319.9813

41.9387, 52.6616,  
20.1962

100.8427,  
121.1907, 62.0153

29.2442, 37.5327,  
12.3523

128.6353,  
153.0292, 83.4459

19.4108, 25.6202,  
6.8586

161.1159,  
190.0061, 109.3194

12.0733, 16.5397,  
3.2967

198.6498,  
232.5058, 140.0546

6.8662, 9.9069,  
1.2481

241.6023,  
280.9126, 176.0698

3.4241, 5.3373,  
0.0187


290.3388,

1.3818, 2.4465,


335.6110, 217.7836


0.0000


345.2247,  
396.9854, 265.6146

 0.2432, 0.8496,  
0.0000


 0.0000, 0.0000,  
0.0000


 57.8597, 71.3913,  
30.8090


 57.8597, 71.3913,  
30.8090


 55.1172, 70.1337,  
23.7295


 60.9946, 72.8163,  
39.6958


 52.7378, 69.0242,  
18.3283


 64.5384, 74.4078,  
50.4977


 50.6963, 68.0551,  
14.4671


 68.5131, 76.1771,  
63.3198

 48.9613, 67.2138,  
11.9832

 72.9371, 78.1317,  
78.2580


 47.4946, 66.4851,  
10.6775

 77.8280, 80.2786,  
95.4021

 46.8043, 66.1369,  
10.2989

 81.5488, 81.9632,  
106.1301

 83.2967, 82.8643,  
106.2119

 85.0942, 83.7909,  
106.2961

 86.9417, 84.7434,  
106.3825

# Harmonies

## Analogous

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



69.5563, 71.3913, 27.2902



57.8597, 71.3913, 30.8090



49.8151, 71.3913, 45.2196

# Triad

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



57.8597, 71.3913, 30.8090



55.2718, 71.3913, 149.9090



94.7760, 71.3913, 82.6653

# Complementary

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



57.8597, 71.3913, 30.8090



34.4526, 27.3778, 78.3356

# 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.



89.7969, 71.3913, 122.9775



57.8597, 71.3913, 30.8090



66.1822, 71.3913, 168.6398

# Square

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



57.8597, 71.3913, 30.8090



48.4548, 71.3913, 111.9617



78.9405, 71.3913, 157.5200



91.8457, 71.3913, 51.3055



# Rectangle

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



57.8597, 71.3913, 30.8090



47.0995, 71.3913, 62.2127



78.9405, 71.3913, 157.5200



93.9571, 71.3913, 95.6411

# Sweetspot

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



57.8614, 71.3945, 30.8105



87.4930, 96.6686, 83.0494



47.2640, 39.9526, 25.3002



18.4735, 20.5787, 16.9359



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.



57.8614, 71.3945, 30.8105



69.8050, 88.6979, 30.3635



45.8758, 65.2157, 30.2496



15.2702, 16.6464, 15.3127



26.6062, 37.4975, 5.8354



2.0438, 2.8110, 0.4349



# Inverse Universe

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



34.4526, 27.3778, 78.3356



36.6690, 26.3136, 97.7541



45.9128, 33.2857, 78.8719



13.8824, 14.0416, 18.1230



8.9561, 3.6829, 42.6220

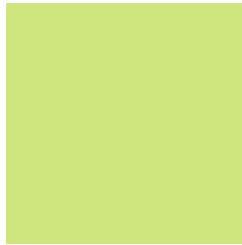


0.7408, 0.3129, 3.1533



# Previews

## White Background



This preview shows how the XYZ color 57.8597, 71.3913, 30.8090 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 57.8597, 71.3913, 30.8090 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

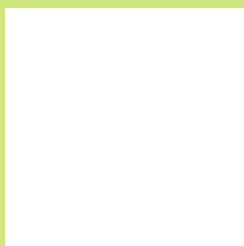
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.8597, 71.3913, 30.8090**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8597, 71.3913, 30.8090.



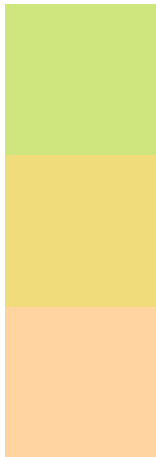
This preview shows how white text looks on a background with the XYZ color 57.8597, 71.3913,

30.8090.

# 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

57.8597, 71.3913, 30.8090

### Protanopia

65.4440, 71.3172, 29.0552

### Deuteranopia

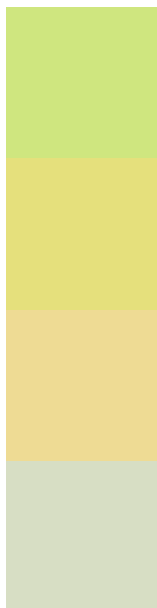
71.1286, 70.8850, 43.1910



## Tritanopia

69.5820, 71.3566, 88.7031

# Trichromacy



## Original Color

57.8597, 71.3913, 30.8090

## Protanomaly

62.6068, 71.4246, 29.5554

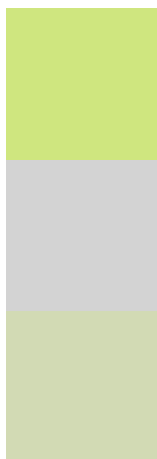
## Deuteranomaly

65.9367, 70.9783, 38.2419

## Tritanomaly

64.1094, 70.6751, 62.4873

# Monochromacy



## Original Color

57.8597, 71.3913, 30.8090

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

59.8880, 67.1397, 52.9828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8597, 71.3913, 30.8090 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(207, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 127)  
}
```

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(207, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8597, 71.3913, 30.8090 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(207, 230, 127) }
```



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

```
.border{ border-color:rgb(207, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8597, 71.3913, 30.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 127) }
```

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

```
.background{ background-color: rgb(207,  
230, 127) }
```

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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