

Converting Colors

XYZ(57.4276, 70.2255, 36.1201)

Have a look what the booklet for
XYZ(57.4276, 70.2255, 36.1201)
contains.

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Color

**XYZ(57.5277, 70.2772,
36.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE48E
RGB	204, 228, 142
RGB Percent	80%, 89%, 56%
CMY	0.2000, 0.1059, 0.4431
CMYK	0.11, 0.00, 0.38, 0.11
HSL	77°, 61%, 73%
HSV	77°, 38%, 89%
XYZ	57.5277, 70.2772, 36.1240
YIQ	211.0200, 13.3020, -31.8340

Conversions

Conversions Part 2

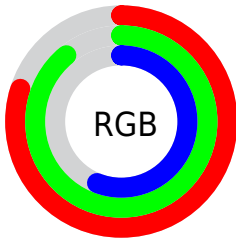
Format	Color
RYB	142, 228, 166
Decimal	13427854
CIELab	87.13, -21.59, 39.36
CIElCh	87, 44.894, 118.750
Yxy	70.2772, 0.3509, 0.4287
Android (android.graphics.Color)	4291617934 (0xFFCCE48E)
YUV	211.0200, -34.0269, -6.1565
Hunter-Lab	83.8315, -24.2130, 33.1333

Details

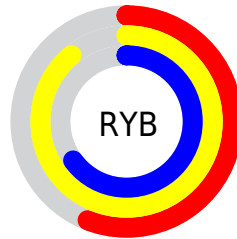
The XYZ color **57.5277, 70.2772, 36.1240** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.4053, 33.0564, 77.7065**, and the grayscale version is **62.1432, 65.3795, 71.1983**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **29.1835, 37.0149, 15.2793** is the 20% darker color. If you saturate the color by 10%, you get **54.2797, 68.7830, 27.9320**, and if you desaturate by 10%, it is **61.2007, 71.9545, 46.1664**.

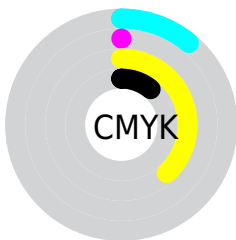
Distribution



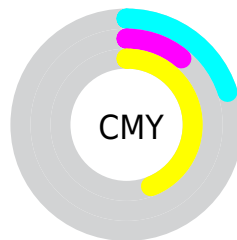
- Red (80%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5277, 70.2772, 36.1240 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 57.5277, 70.2772, 36.1240 by changing the saturation by 10% instead.

■ 57.5277, 70.2772,
36.1240

■ 57.5277, 70.2772,
36.1240

405.4060,
461.5227, 344.5560

■ 41.6709, 51.7526,
24.2395

■ 100.3617,
119.6040, 70.3946

■ 29.0336, 36.8079,
15.2976

■ 128.0695,
151.1749, 93.6178

■ 19.2507, 25.0588,
8.8795

160.4584,
187.8634, 121.4577

■ 11.9566, 16.1208,
4.5670

197.8937,
230.0538, 154.3328

■ 6.7861, 9.6097,
1.9412

240.7408,
278.1305, 192.6616

■ 3.3739, 5.1410,
0.5188

289.3649,

■ 1.3544, 2.3302,

332.4780, 236.8627

0.0000

344.1316,
393.4806, 287.3547

■ 0.2234, 0.7896,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5277, 70.2772,
36.1240

■ 57.5277, 70.2772,
36.1240

■ 54.2797, 68.7830,
27.9320

■ 61.2007, 71.9545,
46.1664

■ 51.4290, 67.4534,
21.4727

■ 65.3140, 73.8138,
58.1583

■ 48.9528, 66.2817,
16.6218

■ 69.8882, 75.8659,
72.1972

■ 46.8231, 65.2565,
13.2369

■ 74.9413, 78.1180,
88.3727

■ 45.0071, 64.3646,
11.1501

■ 80.3276, 80.5121,
105.9144

■ 43.4605, 63.5883,
10.1325

■ 82.4765, 81.6199,
106.0150

■ 43.1299, 63.4211,
9.9683

■ 84.7014, 82.7669,
106.1191

■ 87.0032, 83.9535,
106.2268

■ 87.0349, 83.9699,
106.2283

Harmonies

Analogous

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



67.2390, 70.2772, 31.9709



57.5277, 70.2772, 36.1240



50.9460, 70.2772, 50.2186

Triad

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



57.5277, 70.2772, 36.1240



56.8381, 70.2772, 137.5333



89.1405, 70.2772, 77.7917

Complementary

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



57.5277, 70.2772, 36.1240



39.4053, 33.0564, 77.7065

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.



85.6342, 70.2772, 110.6977



57.5277, 70.2772, 36.1240



66.3557, 70.2772, 150.3212

Square

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



57.5277, 70.2772, 36.1240



50.5783, 70.2772, 107.9192



77.0107, 70.2772, 139.4115



86.1564, 70.2772, 51.8912

Rectangle

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



57.5277, 70.2772, 36.1240



48.8490, 70.2772, 65.7603



77.0107, 70.2772, 139.4115



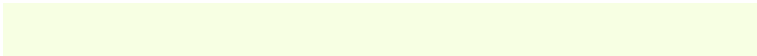
88.6758, 70.2772, 88.3935

Sweetspot

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



57.5295, 70.2803, 36.1255



88.0362, 96.8685, 86.6944



50.3231, 45.3354, 31.6905



18.6695, 20.6559, 18.0203



0.0000, 0.0000, 0.0000



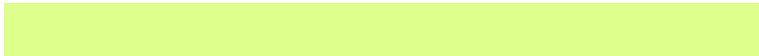
20.3446, 21.4041, 23.3091

Same Dimension

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



57.5295, 70.2803, 36.1255



70.9344, 89.1041, 38.3679



47.5421, 65.1317, 35.6581



15.1889, 16.6044, 15.3089



25.0242, 36.6819, 5.7614



1.9384, 2.7566, 0.4299

Inverse Universe

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



39.4053, 33.0564, 77.7065



44.5393, 34.8516, 98.9873



49.6728, 38.3494, 78.1870



13.9586, 14.0809, 18.1265



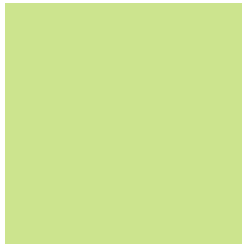
9.3929, 3.9081, 42.6425



0.7823, 0.3343, 3.1553

Previews

White Background



This preview shows how the XYZ color 57.5277, 70.2772, 36.1240 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 57.5277, 70.2772, 36.1240 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

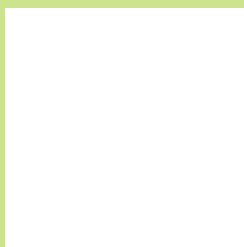
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.5277, 70.2772, 36.1240

Background



This preview shows how black text looks on a background with the XYZ color 57.5277, 70.2772, 36.1240.

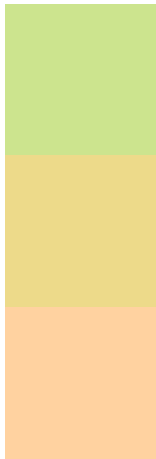


This preview shows how white text looks on a background with the XYZ color 57.5277, 70.2772,

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



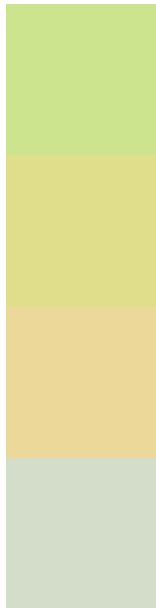
Original Color
57.5277, 70.2772, 36.1240
Protanopia
64.5839, 69.9823, 34.1488
Deuteranopia
70.6318, 69.8913, 43.0254



Tritanopia

67.9830, 70.1652, 87.8020

Trichromacy



Original Color

57.5277, 70.2772, 36.1240

Protanomaly

61.8328, 70.1142, 34.7006

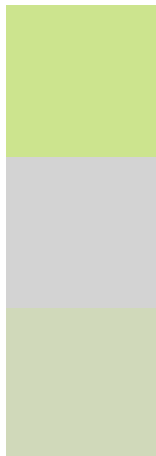
Deuteranomaly

65.1547, 69.7585, 40.1677

Tritanomaly

63.5504, 69.9270, 65.4061

Monochromacy



Original Color

57.5277, 70.2772, 36.1240

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.6882, 66.5808, 56.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5277, 70.2772, 36.1240 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(204, 228, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 228, 142)  
}
```

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(204, 228, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 228, 142) }
```

Border

The CSS property to change the border of an element to XYZ 57.5277, 70.2772, 36.1240 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(204, 228, 142) }
```


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

```
.border{ border-color:rgb(204, 228, 142) }
```

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

Here you see how a box with a 4 pixel rgb(204, 228, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 228, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 228, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 228,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5277, 70.2772, 36.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 228, 142) }
```

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

```
.background{ background-color: rgb(204,  
228, 142) }
```

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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