

Converting Colors

XYZ(57.9298, 70.9112, 35.4450)

Have a look what the booklet for
XYZ(57.9298, 70.9112, 35.4450)
contains.

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Color

**XYZ(57.9298, 70.9112,
35.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE58C
RGB	205, 229, 140
RGB Percent	80%, 90%, 55%
CMY	0.1961, 0.1019, 0.4510
CMYK	0.10, 0.00, 0.39, 0.10
HSL	76°, 63%, 72%
HSV	76°, 39%, 90%
XYZ	57.9298, 70.9112, 35.4450
YIQ	211.6780, 14.2650, -32.7670

Conversions

Conversions Part 2

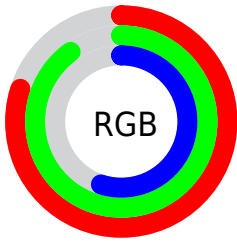
Format	Color
RYB	140, 229, 164
Decimal	13493644
CIELab	87.44, -21.94, 40.77
CIELCh	87, 46.296, 118.292
Yxy	70.9112, 0.3526, 0.4316
Android (android.graphics.Color)	4291683724 (0xFFCDE58C)
YUV	211.6780, -35.3373, -5.8566
Hunter-Lab	84.2088, -24.5698, 33.9899

Details

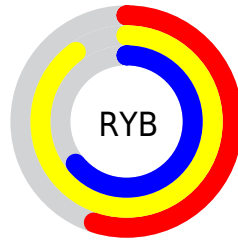
The XYZ color **57.9298, 70.9112, 35.4450** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.8336, 32.3078, 78.3220**, and the grayscale version is **62.5876, 65.8470, 71.7074**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **29.2919, 37.3662, 14.9011** is the 20% darker color. If you saturate the color by 10%, you get **54.7442, 69.4464, 27.3803**, and if you desaturate by 10%, it is **61.5377, 72.5575, 45.3665**.

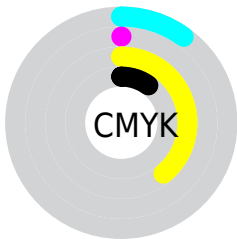
Distribution



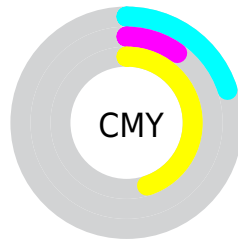
- Red (80%)
- Green (90%)
- Blue (55%)



- Red (55%)
- Yellow (90%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (10%)



- Cyan (20%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9298, 70.9112, 35.4450 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 57.9298, 70.9112, 35.4450 by changing the saturation by 10% instead.

■ 57.9298, 70.9112,
35.4450

■ 57.9298, 70.9112,
35.4450

406.8824,
463.7430, 341.4919

■ 41.9953, 52.2697,
23.7196

■ 100.9442,
120.5073, 69.3339

■ 29.2887, 37.2201,
14.9155

■ 128.7547,
152.2307, 92.3345

■ 19.4447, 25.3780,
8.6141

■ 161.2546,
189.0835, 119.9306

■ 12.0979, 16.3589,
4.3970

198.8093,
231.4502, 152.5407

■ 6.8831, 9.7785,
1.8456

241.7841,
279.7150, 190.5833

■ 3.4348, 5.2523,
0.4578

290.5442,

■ 1.3876, 2.3961,

334.2625, 234.4771

0.0000

345.4552,
395.4770, 284.6404

■ 0.2474, 0.8239,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9298, 70.9112,
35.4450

■ 57.9298, 70.9112,
35.4450

■ 54.7442, 69.4464,
27.3803

■ 61.5377, 72.5575,
45.3665

■ 51.9527, 68.1446,
21.0522


■ 65.5833, 74.3844,
57.2461

■ 49.5321, 66.9986,
16.3334


■ 70.0879, 76.4028,
71.1830


■ 47.4535, 65.9970,
13.0775


■ 75.0693, 78.6199,
87.2686


 45.6835, 65.1262,
11.1111


 80.5446, 81.0427,
105.5885


 44.1709, 64.3657,
10.1704

 82.7093, 82.1495,
106.1049

 44.0079, 64.2833,
10.0885

 84.8661, 83.2613,
106.2059

 87.0951, 84.4105,
106.3102

 87.3108, 84.5217,
106.3203

Harmonies

Analogous

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



68.0267, 70.9112, 31.3548



57.9298, 70.9112, 35.4450



51.0691, 70.9112, 49.7233

Triad

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



57.9298, 70.9112, 35.4450



56.9555, 70.9112, 140.4914



90.6379, 70.9112, 79.0163

Complementary

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



57.9298, 70.9112, 35.4450



38.8336, 32.3078, 78.3220

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.



86.8843, 70.9112, 113.3206



57.9298, 70.9112, 35.4450



66.7751, 70.9112, 154.2545

Square

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



57.9298, 70.9112, 35.4450



50.5508, 70.9112, 109.3588



77.8476, 70.9112, 143.1794



87.6277, 70.9112, 52.0742

Rectangle

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



57.9298, 70.9112, 35.4450



48.8603, 70.9112, 65.6403



77.8476, 70.9112, 143.1794



90.1181, 70.9112, 90.0656

Sweetspot

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



57.9316, 70.9144, 35.4465



87.5374, 96.6517, 84.8477



50.2771, 45.0092, 30.8498



18.5730, 20.6142, 17.6522



0.0000, 0.0000, 0.0000



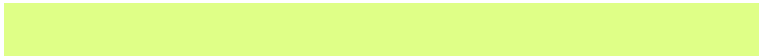
20.3446, 21.4041, 23.3091

Same Dimension

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



57.9316, 70.9144, 35.4465



70.4751, 88.9099, 36.4240



47.4063, 65.4884, 34.9539



15.2026, 16.6115, 15.3095



25.2807, 36.8142, 5.7734



1.9556, 2.7655, 0.4307

Inverse Universe

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



38.8336, 32.3078, 78.3220



42.7718, 32.8572, 98.6955



49.6015, 37.8589, 78.8259



13.9457, 14.0742, 18.1259



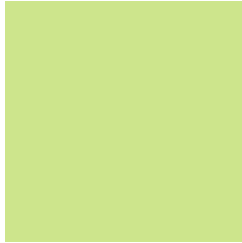
9.3119, 3.8664, 42.6387



0.7749, 0.3304, 3.1549

Previews

White Background



This preview shows how the XYZ color 57.9298, 70.9112, 35.4450 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 57.9298, 70.9112, 35.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

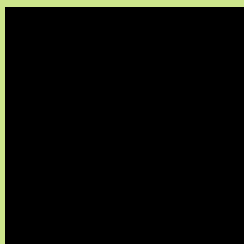
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

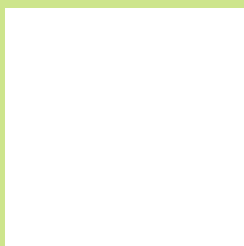
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.9298, 70.9112, 35.4450

Background



This preview shows how black text looks on a background with the XYZ color 57.9298, 70.9112, 35.4450.



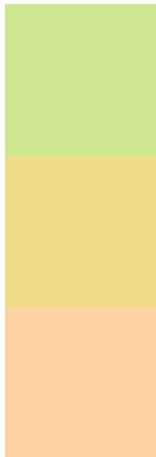
This preview shows how white text looks on a background with the XYZ color 57.9298, 70.9112,

35.4450.

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

57.9298, 70.9112, 35.4450

Protanopia

65.3721, 70.7913, 33.5112

Deuteranopia

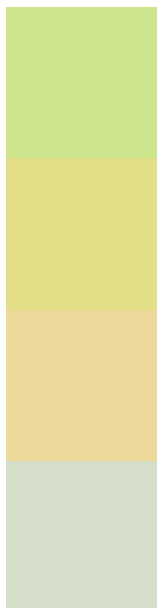
71.0559, 70.4572, 44.0370



Tritanopia

68.6821, 70.8927, 88.6610

Trichromacy



Original Color

57.9298, 70.9112, 35.4450

Protanomaly

62.5816, 70.9124, 34.0560

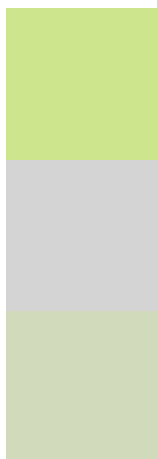
Deuteranomaly

65.8292, 70.4804, 40.7064

Tritanomaly

63.9872, 70.5588, 64.8903

Monochromacy



Original Color

57.9298, 70.9112, 35.4450

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.2288, 67.2433, 56.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9298, 70.9112, 35.4450 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(205, 229, 140)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 140)  
}
```

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(205, 229, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 140) }
```

Border

The CSS property to change the border of an element to XYZ 57.9298, 70.9112, 35.4450 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(205, 229, 140) }
```


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

```
.border{ border-color:rgb(205, 229, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 229, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 140);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9298, 70.9112, 35.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 140) }
```

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

```
.background{ background-color: rgb(205,  
229, 140) }
```

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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