

# Converting Colors

XYZ(57.7529, 71.7900, 36.2822)

Have a look what the booklet for  
XYZ(57.7529, 71.7900, 36.2822)  
contains.

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# Color

**XYZ(57.5458, 71.5223,  
36.3634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E78E
RGB	201, 231, 142
RGB Percent	79%, 91%, 56%
CMY	0.2118, 0.0941, 0.4431
CMYK	0.13, 0.00, 0.39, 0.09
HSL	80°, 65%, 73%
HSV	80°, 39%, 91%
XYZ	57.5458, 71.5223, 36.3634
YIQ	211.8840, 10.6890, -34.0390

# Conversions

## Conversions Part 2

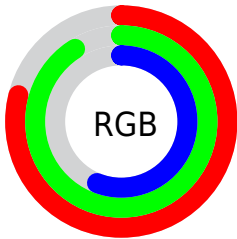
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 231, 172
Decimal	13232014
CIELab	87.74, -24.16, 40.10
CIELCh	88, 46.814, 121.068
Yxy	71.5223, 0.3479, 0.4323
Android (android.graphics.Color)	4291422094 (0xFFC9E78E)
YUV	211.8840, -34.4528, -9.5453
Hunter-Lab	84.5709, -26.5396, 33.7064

# Details

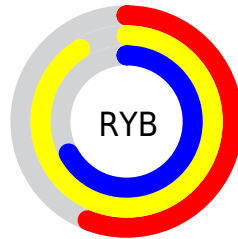
The XYZ color **57.5458, 71.5223, 36.3634** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.1129, 33.8881, 79.9795**, and the grayscale version is **62.7205, 65.9869, 71.8597**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **29.0295, 37.5091, 15.3828** is the 20% darker color. If you saturate the color by 10%, you get **53.9479, 69.8498, 28.0610**, and if you desaturate by 10%, it is **61.6129, 73.3996, 46.5668**.

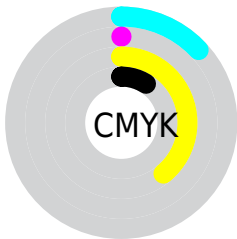
# Distribution



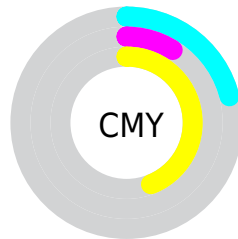
- Red (79%)
- Green (91%)
- Blue (56%)



- Red (56%)
- Yellow (91%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5458, 71.5223, 36.3634 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 57.5458, 71.5223, 36.3634 by changing the saturation by 10% instead.



■ 57.5458, 71.5223,  
36.3634

■ 57.5458, 71.5223,  
36.3634

405.4725,  
465.8772, 345.6314

■ 41.6855, 52.7685,  
24.4231

■ 100.3879,  
121.3771, 70.7679

■ 29.0451, 37.6180,  
15.4327

■ 128.1004,  
153.2470, 94.0692

■ 19.2594, 25.6864,  
8.9736

160.4943,  
190.2577, 121.9946

■ 11.9630, 16.5892,  
4.6274

197.9350,  
232.7936, 154.9626

■ 6.7905, 9.9420,  
1.9755

240.7878,  
281.2391, 193.3917

■ 3.3766, 5.3605,  
0.5401

289.4181,

■ 1.3559, 2.4603,

335.9786, 237.7006

0.0000

344.1912,  
397.3965, 288.3076

0.2245, 0.8567,  
0.0000

0.0000, 0.0000,  
0.0000

57.5458, 71.5223,  
36.3634

57.5458, 71.5223,  
36.3634

53.9479, 69.8498,  
28.0610

61.6129, 73.3996,  
46.5668

50.7898, 68.3629,  
21.5369


66.1658, 75.4813,  
58.7742


48.0470, 67.0540,  
16.6619


71.2268, 77.7787,  
73.0869

45.6895, 65.9109,  
13.2866


76.8148, 80.2998,  
89.5980


 43.6823, 64.9195,  
11.2353

 82.5420, 82.8895,  
106.2566

 41.9746, 64.0592,  
10.2500

 85.2421, 84.2814,  
106.3829

 41.7384, 63.9396,  
10.1417

 87.8674, 85.6348,  
106.5058

# Harmonies

## Analogous

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



67.5825, 71.5223, 31.3411



57.5458, 71.5223, 36.3634



50.9530, 71.5223, 51.8814

# Triad

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



57.5458, 71.5223, 36.3634



58.1650, 71.5223, 144.5883



91.6401, 71.5223, 76.7411

# Complementary

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



57.5458, 71.5223, 36.3634



41.1129, 33.8881, 79.9795

# Split Complementary

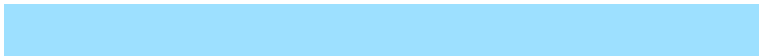
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4310, 71.5223, 111.3612



57.5458, 71.5223, 36.3634



68.3787, 71.5223, 156.4089

# Square

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



57.5458, 71.5223, 36.3634



51.2822, 71.5223, 113.8864



79.6044, 71.5223, 142.8730



87.9575, 71.5223, 50.3897



# Rectangle

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



57.5458, 71.5223, 36.3634



48.9936, 71.5223, 68.7624



79.6044, 71.5223, 142.8730



91.3290, 71.5223, 87.7605

# Sweetspot

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



57.5476, 71.5255, 36.3649



86.8149, 96.2792, 84.8139



52.5292, 48.3226, 32.1508



18.4025, 20.5263, 17.6442



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

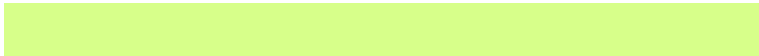


# Same Dimension

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



57.5476, 71.5255, 36.3649



68.4840, 87.8624, 37.2807



47.3328, 66.2596, 35.8869



15.1049, 16.5612, 15.3050



23.5352, 35.9143, 5.6917



1.8372, 2.7045, 0.4252



# Inverse Universe

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



41.1129, 33.8881, 79.9795



45.2828, 34.6869, 98.9163



52.4676, 39.7417, 80.5109



14.0385, 14.1221, 18.1303



9.9604, 4.2007, 42.6690

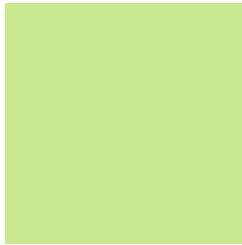


0.8322, 0.3600, 3.1576



# Previews

## White Background



This preview shows how the XYZ color 57.5458, 71.5223, 36.3634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

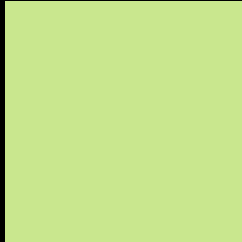
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5458, 71.5223, 36.3634 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 57.5458, 71.5223, 36.3634**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5458, 71.5223, 36.3634.



This preview shows how white text looks on a background with the XYZ color 57.5458, 71.5223,



# 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



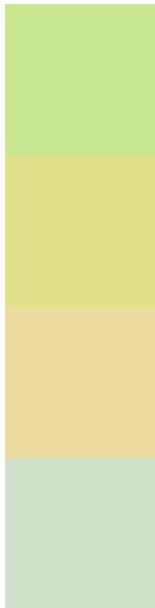
<b>Original Color</b>
57.5458, 71.5223, 36.3634
<b>Protanopia</b>
65.7772, 71.3721, 34.3541
<b>Deuteranopia</b>
71.5750, 71.0636, 45.5415



## Tritanopia

68.6108, 71.5970, 90.3242

# Trichromacy



## Original Color

57.5458, 71.5223, 36.3634

## Protanomaly

62.3672, 71.1829, 34.8787

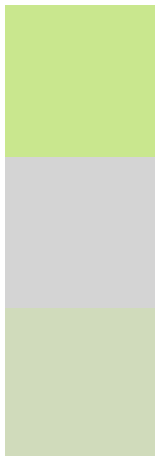
## Deuteranomaly

65.6783, 70.7595, 42.0946

## Tritanomaly

63.6108, 71.1309, 66.2541

# Monochromacy



## Original Color

57.5458, 71.5223, 36.3634

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.3136, 67.6608, 56.8947

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5458, 71.5223, 36.3634 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(201, 231, 142)` looks like.

```
.text, #text, p{  
    color:rgb(201, 231, 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(201, 231, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 231, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5458, 71.5223, 36.3634 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(201, 231, 142) }
```



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

```
.border{ border-color:rgb(201, 231, 142) }
```

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

Here you see how a box with a 4 pixel rgb(201, 231, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 231, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 231, 142);  
box-shadow:4px 4px 4px 4px rgb(201, 231,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5458, 71.5223, 36.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 231, 142) }
```

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

```
.background{ background-color: rgb(201,  
231, 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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