

# Converting Colors

XYZ(58.5886, 72.0335, 37.6040)

Have a look what the booklet for  
XYZ(58.5886, 72.0335, 37.6040)  
contains.

<b>XYZ(58.5886, 72.0335, 37.6040)</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(58.5886, 72.0335,  
37.6040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE791
RGB	204, 231, 145
RGB Percent	80%, 91%, 57%
CMY	0.2000, 0.0941, 0.4314
CMYK	0.12, 0.00, 0.37, 0.09
HSL	79°, 64%, 74%
HSV	79°, 37%, 91%
XYZ	58.5886, 72.0335, 37.6040
YIQ	213.1230, 11.5140, -32.4700

# Conversions

## Conversions Part 2

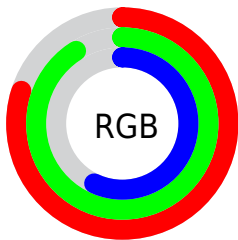
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 231, 172
Decimal	13428625
CIELab	87.98, -22.68, 38.96
CIELCh	88, 45.085, 120.205
Yxy	72.0335, 0.3483, 0.4282
Android (android.graphics.Color)	4291618705 (0xFFCCE791)
YUV	213.1230, -33.5846, -8.0009
Hunter-Lab	84.8726, -25.3061, 33.1415

# Details

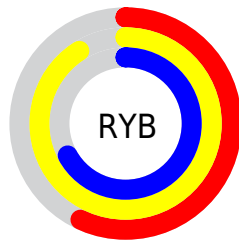
The XYZ color **58.5886, 72.0335, 37.6040** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.5653, 34.7929, 80.1303**, and the grayscale version is **63.5420, 66.8512, 72.8009**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **29.7002, 37.8398, 16.0944** is the 20% darker color. If you saturate the color by 10%, you get **55.0439, 70.3937, 29.0668**, and if you desaturate by 10%, it is **62.5917, 73.8723, 48.0560**.

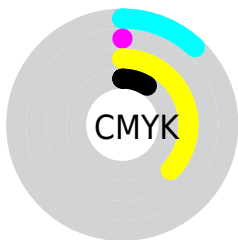
# Distribution



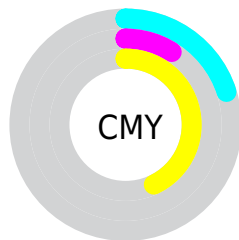
- Red (80%)
- Green (91%)
- Blue (57%)



- Red (57%)
- Yellow (91%)
- Blue (67%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)
- Black (9%)




- Cyan (20%)
- Magenta (9%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5886, 72.0335, 37.6040 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 58.5886, 72.0335, 37.6040 by changing the saturation by 10% instead.



 58.5886, 72.0335,  
37.6040

 58.5886, 72.0335,  
37.6040


409.2942,  
467.6582, 351.1653

 42.5271, 53.1860,  
25.3760


 101.8976,  
122.1042, 72.6974

 29.7072, 37.9513,  
16.1359


 129.8757,  
154.0961, 96.4000

 19.7634, 25.9449,  
9.4650


162.5569,  
191.2384, 124.7645

 12.3304, 16.7824,  
4.9447

200.3063,  
233.9154, 158.2095

 7.0429, 10.0795,  
2.1567

243.4894,  
282.5115, 197.1536

 3.5355, 5.4517,  
0.6492

292.4715,

 1.4429, 2.5146,

337.4110, 242.0152

0.0000

347.6180,  
398.9985, 293.2129

■ 0.2865, 0.8840,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5886, 72.0335,  
37.6040

■ 58.5886, 72.0335,  
37.6040

■ 55.0439, 70.3937,  
29.0668

■ 62.5917, 73.8723,  
48.0560

■ 51.9289, 68.9339,  
22.3233


■ 67.0693, 75.9092,  
60.5248

■ 49.2196, 67.6468,  
17.2461


■ 72.0431, 78.1556,  
75.1107


■ 46.8869, 66.5206,  
13.6887


■ 77.5318, 80.6191,  
91.9058


 44.8969, 65.5415,  
11.4795


 82.6538, 82.9471,  
106.2618

 43.2056, 64.6919,  
10.3934

 85.1696, 84.2441,  
106.3796

 42.7705, 64.4716,  
10.1900

 87.7849, 85.5923,  
106.5019

 87.8674, 85.6349,  
106.5058

# Harmonies

## Analogous

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



68.3918, 72.0335, 32.8946



58.5886, 72.0335, 37.6040



52.0559, 72.0335, 52.5516

# Triad

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



58.5886, 72.0335, 37.6040



58.7041, 72.0335, 141.8013



91.2739, 72.0335, 78.2206

# Complementary

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



58.5886, 72.0335, 37.6040



41.5653, 34.7929, 80.1303

# Split Complementary

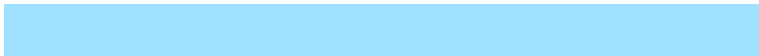
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0057, 72.0335, 111.6605



58.5886, 72.0335, 37.6040



68.5397, 72.0335, 153.7284

# Square

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



58.5886, 72.0335, 37.6040



52.1175, 72.0335, 112.1254



79.3948, 72.0335, 141.4873

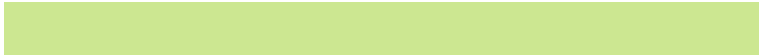


87.9183, 72.0335, 52.2713



# Rectangle

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



58.5886, 72.0335, 37.6040



50.0577, 72.0335, 68.7906



79.3948, 72.0335, 141.4873



90.9097, 72.0335, 88.9352

# Sweetspot

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



58.5904, 72.0367, 37.6055



87.6917, 96.6909, 86.6782



52.5936, 48.0859, 33.2986



18.5872, 20.6134, 18.0164



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

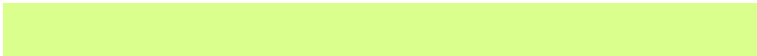


# Same Dimension

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



58.5904, 72.0367, 37.6055



69.7160, 88.4760, 38.3109



48.6301, 66.9019, 37.1394



15.1383, 16.5784, 15.3065



24.1101, 36.2107, 5.7186



1.8765, 2.7247, 0.4270



# Inverse Universe

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



41.5653, 34.7929, 80.1303



45.4329, 35.3123, 99.0291



52.2250, 40.2882, 80.6292



14.0066, 14.1056, 18.1288



9.7198, 4.0767, 42.6578

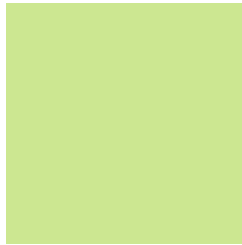


0.8115, 0.3493, 3.1566



# Previews

## White Background



This preview shows how the XYZ color 58.5886, 72.0335, 37.6040 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 58.5886, 72.0335, 37.6040 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 58.5886, 72.0335, 37.6040**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5886, 72.0335, 37.6040.



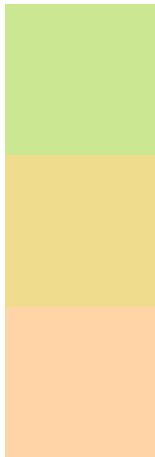
This preview shows how white text looks on a background with the XYZ color 58.5886, 72.0335,

37.6040.

# 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

58.5886, 72.0335, 37.6040

### Protanopia

66.3361, 71.6348, 35.5299

### Deuteranopia

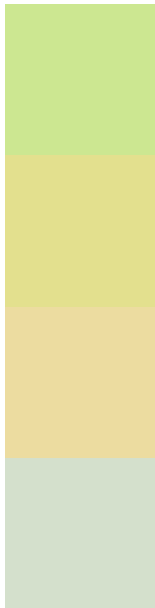
72.1021, 71.6757, 47.0804



## Tritanopia

69.1982, 71.8998, 90.3517

# Trichromacy



## Original Color

58.5886, 72.0335, 37.6040

## Protanomaly

63.2167, 71.5952, 36.0786

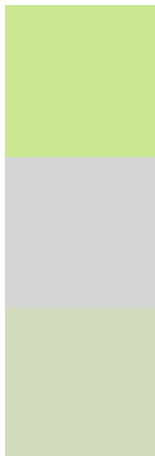
## Deuteranomaly

66.5304, 71.5573, 43.5631

## Tritanomaly

64.7061, 71.6680, 67.5497

# Monochromacy



## Original Color

58.5886, 72.0335, 37.6040

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

61.2486, 68.5189, 57.5743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5886, 72.0335, 37.6040 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, 231, 145)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 145)  
}
```

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, 231, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5886, 72.0335, 37.6040 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, 231, 145) }
```



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

```
.border{ border-color:rgb(204, 231, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 145);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5886, 72.0335, 37.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 145) }
```

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

```
.background{ background-color: rgb(204,  
231, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor