

# Converting Colors

XYZ(59.1927, 71.9574, 36.3620)

Have a look what the booklet for  
XYZ(59.1927, 71.9574, 36.3620)  
contains.

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# Color

**XYZ(59.1917, 71.9565,  
36.3604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E68E
RGB	208, 230, 142
RGB Percent	82%, 90%, 56%
CMY	0.1843, 0.0980, 0.4431
CMYK	0.10, 0.00, 0.38, 0.10
HSL	75°, 64%, 73%
HSV	75°, 38%, 90%
XYZ	59.1917, 71.9565, 36.3604
YIQ	213.3900, 15.1360, -32.0320

# Conversions

## Conversions Part 2

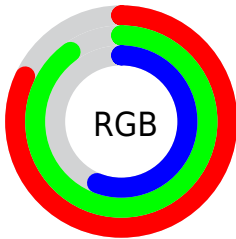
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 230, 164
Decimal	13690510
CIE <sub>Lab</sub>	87.95, -21.07, 40.46
CIE <sub>LCh</sub>	88, 45.619, 117.503
Yxy	71.9565, 0.3534, 0.4296
Android (android.graphics.Color)	4291880590 (0xFFD0E68E)
YUV	213.3900, -35.1953, -4.7270
Hunter-Lab	84.8272, -23.8917, 33.9649

# Details

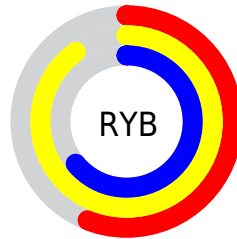
The XYZ color **59.1917, 71.9565, 36.3604** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.2685, 32.9536, 79.1580**, and the grayscale version is **63.7299, 67.0488, 73.0162**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **29.9304, 37.6857, 15.3694** is the 20% darker color. If you saturate the color by 10%, you get **56.0527, 70.5200, 28.1108**, and if you desaturate by 10%, it is **62.7492, 73.5722, 46.4924**.

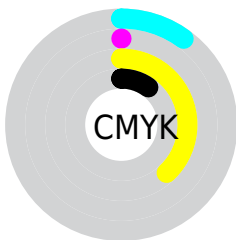
# Distribution



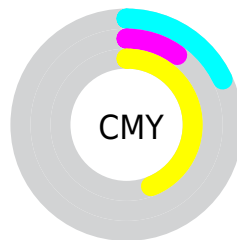
- Red (82%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1917, 71.9565, 36.3604 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 59.1917, 71.9565, 36.3604 by changing the saturation by 10% instead.



■ 59.1917, 71.9565,  
36.3604

■ 59.1917, 71.9565,  
36.3604

411.4946,  
467.3902, 345.6180

■ 43.0144, 53.1231,  
24.4208

■ 102.7693,  
121.9947, 70.7633

■ 30.0910, 37.9011,  
15.4310

■ 130.9003,  
153.9683, 94.0636

■ 20.0561, 25.9059,  
8.9724

163.7465,  
191.0908, 121.9879

■ 12.5443, 16.7533,  
4.6266

201.6734,  
233.7465, 154.9547

■ 7.1903, 10.0587,  
1.9750

245.0464,  
282.3200, 193.3826

■ 3.6288, 5.4379,  
0.5399

294.2306,

■ 1.4944, 2.5064,

337.1955, 237.6901

0.0000

349.5916,  
398.7574, 288.2957

■ 0.3220, 0.8799,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1917, 71.9565,  
36.3604

■ 59.1917, 71.9565,  
36.3604

■ 56.0527, 70.5200,  
28.1108

■ 62.7492, 73.5722,  
46.4924

■ 53.3043, 69.2439,  
21.6226


■ 66.7408, 75.3659,  
58.6084


■ 50.9230, 68.1212,  
16.7683


■ 71.1874, 77.3485,  
72.8085


■ 48.8804, 67.1406,  
13.4008


■ 76.1071, 79.5274,  
89.1845


 47.1429, 66.2886,  
11.3472


 81.1923, 81.7794,  
106.1135

 45.6629, 65.5459,  
10.3598

 83.1410, 82.7840,  
106.2047

 45.4198, 65.4232,  
10.2341

 85.1519, 83.8207,  
106.2988

 87.2254, 84.8896,  
106.3958

 87.5884, 85.0767,  
106.4128

# Harmonies

## Analogous

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



69.3066, 71.9565, 32.4876



59.1917, 71.9565, 36.3604



52.2426, 71.9565, 50.4003

# Triad

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



59.1917, 71.9565, 36.3604



57.7717, 71.9565, 140.4185



91.4583, 71.9565, 80.9838

# Complementary

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



59.1917, 71.9565, 36.3604



39.2685, 32.9536, 79.1580

# 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.



87.5686, 71.9565, 115.0880



59.1917, 71.9565, 36.3604



67.4865, 71.9565, 154.6098

# Square

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



59.1917, 71.9565, 36.3604



51.4858, 71.9565, 109.3525



78.5005, 71.9565, 144.2993



88.6460, 71.9565, 53.8398



# Rectangle

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



59.1917, 71.9565, 36.3604



49.9570, 71.9565, 66.1022



78.5005, 71.9565, 144.2993



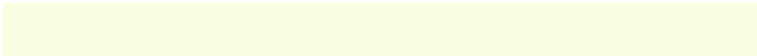
90.8829, 71.9565, 92.0207

# Sweetspot

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



59.1935, 71.9597, 36.3619



88.3247, 97.0172, 86.7079



50.7936, 45.3291, 31.6644



18.7385, 20.6915, 18.0235



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

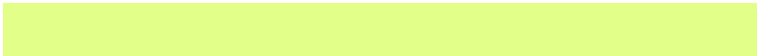


# Same Dimension

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



59.1935, 71.9597, 36.3619



71.5860, 89.4616, 37.4259



48.4915, 66.4426, 35.8611



15.2312, 16.6263, 15.3109



25.8302, 37.0974, 5.7991



1.9923, 2.7844, 0.4324



# Inverse Universe

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



39.2685, 32.9536, 79.1580



43.0384, 33.5299, 98.8113



49.9708, 38.4708, 79.6589



13.9188, 14.0604, 18.1247



9.1524, 3.7841, 42.6312

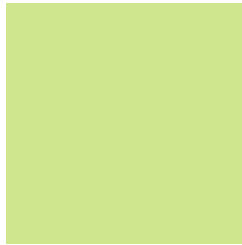


0.7599, 0.3227, 3.1542



# Previews

## White Background



This preview shows how the XYZ color 59.1917, 71.9565, 36.3604 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 59.1917, 71.9565, 36.3604 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 59.1917, 71.9565, 36.3604

## Background



This preview shows how black text looks on a background with the XYZ color 59.1917, 71.9565, 36.3604.



This preview shows how white text looks on a background with the XYZ color 59.1917, 71.9565,



# 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



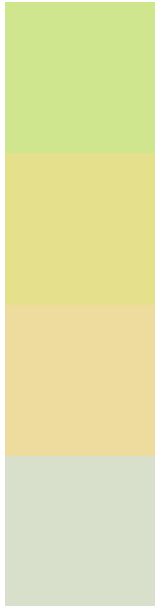
<b>Original Color</b>
59.1917, 71.9565, 36.3604
<b>Protanopia</b>
66.1158, 71.5466, 34.3700
<b>Deuteranopia</b>
72.0093, 71.6385, 46.5915



## Tritanopia

69.9870, 71.9348, 89.5530

# Trichromacy



## Original Color

59.1917, 71.9565, 36.3604

## Protanomaly

63.3108, 71.6694, 34.9228

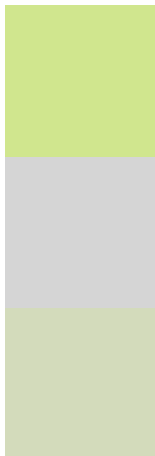
## Deuteranomaly

66.7630, 71.3088, 42.5929

## Tritanomaly

65.3672, 71.6386, 66.2595

# Monochromacy



## Original Color

59.1917, 71.9565, 36.3604

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

61.1651, 68.0998, 56.9345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1917, 71.9565, 36.3604 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(208, 230, 142)` looks like.

```
.text, #text, p{  
    color:rgb(208, 230, 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(208, 230, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 230, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1917, 71.9565, 36.3604 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(208, 230, 142) }
```



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

```
.border{ border-color:rgb(208, 230, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 230, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 230, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 230, 142);  
box-shadow:4px 4px 4px 4px rgb(208, 230,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1917, 71.9565, 36.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 230, 142) }
```

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

```
.background{ background-color: rgb(208,  
230, 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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