

# Converting Colors

XYZ(59.1373, 75.7767, 28.7571)

Have a look what the booklet for  
XYZ(59.1373, 75.7767, 28.7571)  
contains.

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# Color

**XYZ(59.3134, 76.0201,  
28.6868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEF76
RGB	205, 239, 118
RGB Percent	80%, 94%, 46%
CMY	0.1961, 0.0627, 0.5372
CMYK	0.14, 0.00, 0.51, 0.06
HSL	77°, 79%, 70%
HSV	77°, 51%, 94%
XYZ	59.3134, 76.0201, 28.6868
YIQ	215.0400, 18.5770, -44.8390

# Conversions

## Conversions Part 2

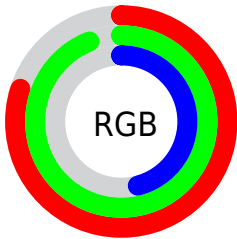
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 239, 152
Decimal	13496182
CIELab	89.87, -29.05, 54.32
CIELCh	90, 61.600, 118.143
Yxy	76.0201, 0.3616, 0.4635
Android (android.graphics.Color)	4291686262 (0xFFCDEF76)
YUV	215.0400, -47.8407, -8.8051
Hunter-Lab	87.1895, -31.1514, 41.5253

# Details

The XYZ color **59.3134, 76.0201, 28.6868** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.0102, 25.8663, 84.8131**, and the grayscale version is **64.9252, 68.3064, 74.3856**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **30.1004, 40.5445, 11.2404** is the 20% darker color. If you saturate the color by 10%, you get **56.2566, 74.5906, 22.0463**, and if you desaturate by 10%, it is **62.8133, 77.6414, 37.2291**.

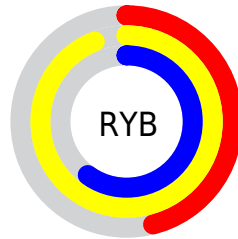
# Distribution



Red (80%)

Green (94%)

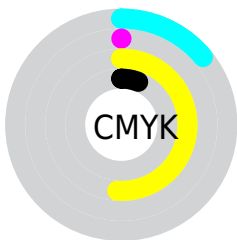
Blue (46%)



Red (46%)

Yellow (94%)

Blue (60%)

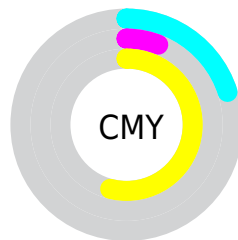


Cyan (14%)

Magenta (0%)

Yellow (51%)

Black (6%)



Cyan (20%)

Magenta (6%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3134, 76.0201, 28.6868 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 59.3134, 76.0201, 28.6868 by changing the saturation by 10% instead.





 59.3134, 76.0201,  
28.6868


 59.3134, 76.0201,  
28.6868


411.9377,  
481.4165, 309.7489

 43.1128, 56.4490,  
18.6005


 102.9450,  
127.7553, 58.6153

 30.1685, 40.5630,  
11.2081


 131.1068,  
160.6882, 79.2946

 20.1153, 27.9778,  
6.0910


 163.9863,  
198.8438, 104.3420

 12.5876, 18.3089,  
2.8308

201.9489,  
242.6066, 134.1760

 7.2202, 11.1720,  
1.0089

245.3600,  
292.3608, 169.2151

 3.6478, 6.1826,  
0.0000

294.5850,

 1.5049, 2.9565,

348.4909, 209.8780

0.0000

349.9891,  
411.3814, 256.5830

0.3291, 1.1090,  
0.0000

0.0000, 0.0000,  
0.0000

59.3134, 76.0201,  
28.6868

59.3134, 76.0201,  
28.6868

56.2566, 74.5906,  
22.0463

62.8133, 77.6414,  
37.2291

53.6086, 73.3310,  
17.1567


66.7765, 79.4546,  
47.7993


51.3386, 72.2315,  
13.8523


71.2285, 81.4728,  
60.5181


49.4075, 71.2764,  
11.9332


76.1911, 83.7048,  
75.4956

 47.8457, 70.4885,  
11.0839

 81.6847, 86.1587,  
92.8342

 86.6794, 88.4229,  
107.1066

 89.0695, 89.6550,  
107.2184

 90.1581, 90.2162,  
107.2694

# Harmonies

## Analogous

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



73.2074, 76.0201, 24.0903



59.3134, 76.0201, 28.6868



50.1421, 76.0201, 45.9526

# Triad

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



59.3134, 76.0201, 28.6868



57.8848, 76.0201, 176.3030



105.6239, 76.0201, 85.5190

# Complementary

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



59.3134, 76.0201, 28.6868



35.0102, 25.8663, 84.8131

# 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.



100.0667, 76.0201, 135.3504



59.3134, 76.0201, 28.6868



71.3106, 76.0201, 197.9583

# Square

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



59.3134, 76.0201, 28.6868



49.4024, 76.0201, 128.9250



86.9538, 76.0201, 180.8378



101.2497, 76.0201, 49.2043



# Rectangle

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



59.3134, 76.0201, 28.6868



47.2347, 76.0201, 66.7201



86.9538, 76.0201, 180.8378



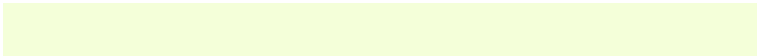
104.8414, 76.0201, 101.2139

# Sweetspot

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



59.3152, 76.0235, 28.6884



85.6471, 95.7947, 79.4514



49.8183, 41.5590, 22.5366



18.0731, 20.3875, 16.2263



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.



59.3152, 76.0235, 28.6884



64.9796, 86.3206, 25.1542



46.0347, 69.1771, 28.0669



16.6647, 18.2228, 16.7888



26.5736, 39.0208, 6.1312



2.3071, 3.2959, 0.5146



# Inverse Universe

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



35.0102, 25.8663, 84.8131



33.9108, 22.0835, 97.0830



48.8583, 33.0052, 85.4612



15.3143, 15.4437, 19.8954



10.0054, 4.1634, 45.4041



0.9260, 0.3946, 3.7816



# Previews

## White Background



This preview shows how the XYZ color 59.3134, 76.0201, 28.6868 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 59.3134, 76.0201, 28.6868 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 59.3134, 76.0201, 28.6868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3134, 76.0201, 28.6868.



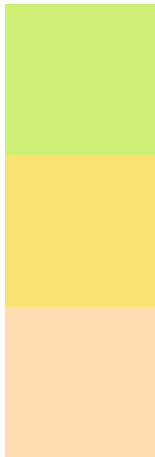
This preview shows how white text looks on a background with the XYZ color 59.3134, 76.0201,



# 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

59.3134, 76.0201, 28.6868

### Protanopia

69.3005, 75.7474, 26.8878

### Deuteranopia

74.7690, 75.6207, 52.2505



## Tritanopia

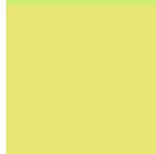
72.6181, 75.5371, 95.5468

# Trichromacy



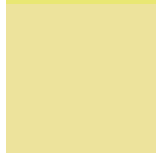
## Original Color

59.3134, 76.0201, 28.6868



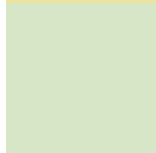
## Protanomaly

65.2747, 75.7133, 27.3934



## Deuteranomaly

68.3949, 75.3430, 42.3903



## Tritanomaly

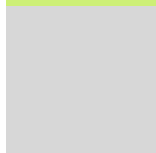
66.5142, 75.1179, 64.4196

# Monochromacy



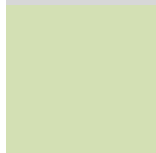
## Original Color

59.3134, 76.0201, 28.6868



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.7578, 70.4555, 53.5243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3134, 76.0201, 28.6868 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, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(205, 239, 118)  
}
```

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, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 239, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3134, 76.0201, 28.6868 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, 239, 118) }
```



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

```
.border{ border-color:rgb(205, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 239, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 239, 118);  
box-shadow:4px 4px 4px 4px rgb(205, 239,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3134, 76.0201, 28.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 239, 118) }
```

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

```
.background{ background-color: rgb(205,  
239, 118) }
```

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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