

# Converting Colors

XYZ(59.5264, 75.2517, 29.1569)

Have a look what the booklet for  
XYZ(59.5264, 75.2517, 29.1569)  
contains.

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# Color

**XYZ(59.4065, 75.1898,  
29.1513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFED78
RGB	207, 237, 120
RGB Percent	81%, 93%, 47%
CMY	0.1882, 0.0706, 0.5294
CMYK	0.13, 0.00, 0.49, 0.07
HSL	75°, 76%, 70%
HSV	75°, 49%, 93%
XYZ	59.4065, 75.1898, 29.1513
YIQ	214.6920, 19.6770, -42.7470

# Conversions

## Conversions Part 2

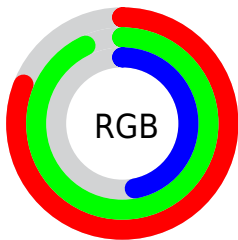
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 237, 150
Decimal	13626744
CIELab	89.48, -27.16, 52.96
CIELCh	89, 59.522, 117.153
Yxy	75.1898, 0.3628, 0.4592
Android (android.graphics.Color)	4291816824 (0xFFCFED78)
YUV	214.6920, -46.6832, -6.7459
Hunter-Lab	86.7121, -29.4556, 40.7660

# Details

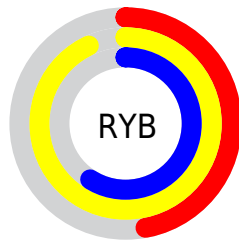
The XYZ color **59.4065, 75.1898, 29.1513** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.5830, 26.0333, 83.3273**, and the grayscale version is **64.6810, 68.0495, 74.1059**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **30.2995, 40.0323, 11.4402** is the 20% darker color. If you saturate the color by 10%, you get **56.4775, 73.8284, 22.4132**, and if you desaturate by 10%, it is **62.7605, 76.7340, 37.7703**.

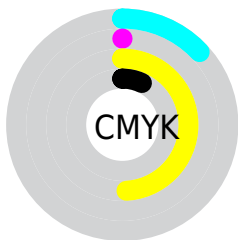
# Distribution



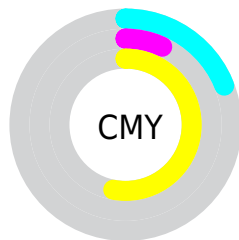
- Red (81%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)




- Cyan (19%)
- Magenta (7%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4065, 75.1898, 29.1513 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 59.4065, 75.1898, 29.1513 by changing the saturation by 10% instead.





 59.4065, 75.1898,  
29.1513


 59.4065, 75.1898,  
29.1513


412.2766,  
478.5697, 312.0114


 43.1881, 55.7684,  
18.9487


 103.0795,  
126.5810, 59.3624

 30.2279, 40.0173,  
11.4568


 131.2648,  
159.3196, 80.2081

 20.1605, 27.5520,  
6.2570


 164.1697,  
197.2660, 105.4385

 12.6207, 17.9882,  
2.9306

202.1596,  
240.8047, 135.4723

 7.2431, 10.9415,  
1.0593

245.5999,  
290.3200, 170.7279

 3.6623, 6.0275,  
0.0000

294.8559,

 1.5129, 2.8618,

346.1963, 211.6240

0.0000

350.2930,  
408.8181, 258.5789

0.3346, 1.0600,  
0.0000

0.0000, 0.0000,  
0.0000

59.4065, 75.1898,  
29.1513

59.4065, 75.1898,  
29.1513

56.4775, 73.8284,  
22.4132

62.7605, 76.7340,  
37.7703

53.9406, 72.6287,  
17.4101


66.5587, 78.4609,  
48.3919


51.7664, 71.5814,  
13.9831


70.8257, 80.3830,  
61.1333


49.9177, 70.6717,  
11.9412


75.5824, 82.5088,  
76.1011


 48.3367, 69.8763,  
10.9829

 80.8484, 84.8462,  
93.3950

 48.2412, 69.8280,  
10.9356

 85.4598, 86.9297,  
106.8826

 87.5978, 88.0319,  
106.9827

 89.5758, 89.0516,  
107.0753

# Harmonies

## Analogous

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



72.8689, 75.1898, 24.9684



59.4065, 75.1898, 29.1513



50.3837, 75.1898, 45.5507

# Triad

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



59.4065, 75.1898, 29.1513



57.2972, 75.1898, 169.6718



103.3239, 75.1898, 85.9269

# Complementary

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



59.4065, 75.1898, 29.1513



34.5830, 26.0333, 83.3273

# 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.



97.7345, 75.1898, 133.6670



59.4065, 75.1898, 29.1513



70.0806, 75.1898, 191.2569

# Square

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



59.4065, 75.1898, 29.1513



49.2874, 75.1898, 124.3056



85.0554, 75.1898, 176.2452



99.4623, 75.1898, 50.3908



# Rectangle

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



59.4065, 75.1898, 29.1513



47.4447, 75.1898, 65.2647



85.0554, 75.1898, 176.2452



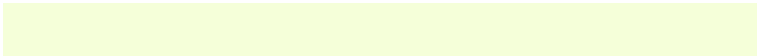
102.4722, 75.1898, 101.0745

# Sweetspot

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



59.4083, 75.1932, 29.1529



85.9746, 95.9636, 79.4668



49.1049, 40.9369, 23.0838



18.1524, 20.4284, 16.2300



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.



59.4083, 75.1932, 29.1529



66.7289, 87.1932, 26.5566



46.1169, 68.3412, 28.5309



15.9530, 17.4213, 16.0406



26.4646, 38.1875, 5.9761



2.1663, 3.0441, 0.4734



# Inverse Universe

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



34.5830, 26.0333, 83.3273



34.4066, 23.0833, 97.2498



47.9473, 32.9229, 83.9527



14.5933, 14.7356, 18.9974



9.4918, 3.9291, 44.0011

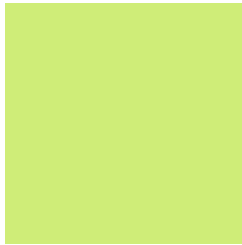


0.8323, 0.3534, 3.4592



# Previews

## White Background



This preview shows how the XYZ color 59.4065, 75.1898, 29.1513 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 59.4065, 75.1898, 29.1513 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 59.4065, 75.1898, 29.1513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4065, 75.1898, 29.1513.



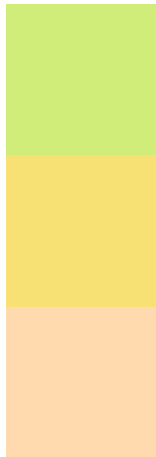
This preview shows how white text looks on a background with the XYZ color 59.4065, 75.1898,



# 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

59.4065, 75.1898, 29.1513

### Protanopia

68.7890, 75.0678, 27.3870

### Deuteranopia

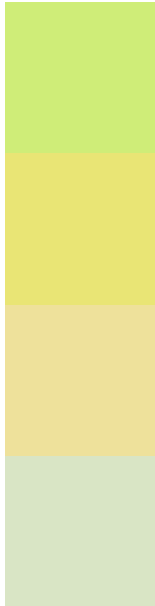
74.0493, 74.4980, 51.0342



## Tritanopia

72.6570, 75.1918, 93.9031

# Trichromacy



## Original Color

59.4065, 75.1898, 29.1513

## Protanomaly

64.8345, 74.6466, 27.8207

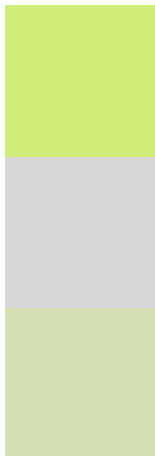
## Deuteranomaly

68.1015, 74.3941, 41.7805

## Tritanomaly

66.7126, 74.8216, 63.7492

# Monochromacy



## Original Color

59.4065, 75.1898, 29.1513

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

61.7773, 70.0677, 53.4484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4065, 75.1898, 29.1513 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(207, 237, 120)` looks like.

```
.text, #text, p{  
    color:rgb(207, 237, 120)  
}
```

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(207, 237, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 237, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4065, 75.1898, 29.1513 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(207, 237, 120) }
```



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

```
.border{ border-color:rgb(207, 237, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 237, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 237, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 237, 120);  
box-shadow:4px 4px 4px 4px rgb(207, 237,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4065, 75.1898, 29.1513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 237, 120) }
```

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

```
.background{ background-color: rgb(207,  
237, 120) }
```

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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