

# Converting Colors

XYZ(59.2925, 59.9808, 26.1745)

Have a look what the booklet for  
XYZ(59.2925, 59.9808, 26.1745)  
contains.

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# Color

**XYZ(59.2916, 59.8138,  
26.1895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C578
RGB	240, 197, 120
RGB Percent	94%, 77%, 47%
CMY	0.0588, 0.2274, 0.5294
CMYK	0.00, 0.18, 0.50, 0.06
HSL	39°, 80%, 71%
HSV	39°, 50%, 94%
XYZ	59.2916, 59.8138, 26.1895
YIQ	201.0790, 50.3450, -14.8310

# Conversions

## Conversions Part 2

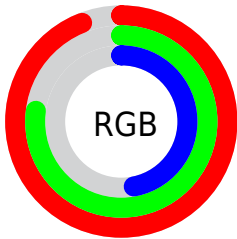
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 240, 120
Decimal	15779192
CIE <sub>Lab</sub>	81.74, 5.94, 44.13
CIE <sub>LCh</sub>	82, 44.530, 82.330
Yxy	59.8138, 0.4081, 0.4117
Android (android.graphics.Color)	4293969272 (0xFFFF0C578)
YUV	201.0790, -39.9719, 34.1337
Hunter-Lab	77.3394, 1.5016, 34.0601

# Details

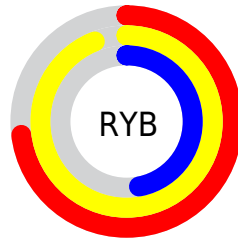
The XYZ color **59.2916, 59.8138, 26.1895** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.5706, 36.4774, 87.5512**, and the grayscale version is **55.7858, 58.6911, 63.9146**.

A 20% lighter version of the original color is **84.3218, 95.1996, 53.9755**, and **30.1880, 30.0197, 9.8335** is the 20% darker color. If you saturate the color by 10%, you get **56.1169, 55.5105, 18.8238**, and if you desaturate by 10%, it is **62.9456, 64.4916, 35.5170**.

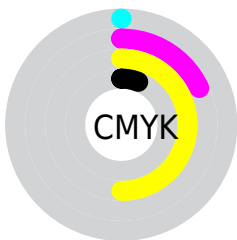
# Distribution



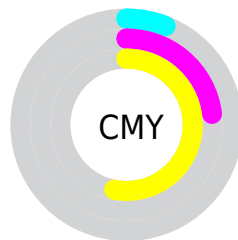
- Red (94%)
- Green (77%)
- Blue (47%)



- Red (73%)
- Yellow (94%)
- Blue (47%)



- Cyan (0%)
- Magenta (18%)
- Yellow (50%)
- Black (6%)




- Cyan (6%)
- Magenta (23%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2916, 59.8138, 26.1895 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 59.2916, 59.8138, 26.1895 by changing the saturation by 10% instead.





 59.2916, 59.8138,  
26.1895

 59.2916, 59.8138,  
26.1895


411.8584,  
423.9111, 297.3461


 43.0952, 43.2686,  
16.7384


 102.9136,  
104.5595, 54.5683

 30.1546, 30.0959,  
9.8882


 131.0698,  
133.5288, 74.3332

 20.1047, 19.9114,  
5.2203


 163.9434,  
167.4082, 98.3730

 12.5798, 12.3306,  
2.3161

201.8996,  
206.5821, 127.1064

 7.2149, 6.9693,  
0.7402

245.3039,  
251.4350, 160.9518

 3.6444, 3.4429,  
0.0000

294.5215,

 1.5030, 1.3671,

302.3512, 200.3279

0.0000

349.9179,  
359.7151, 245.6532

■ 0.3279, 0.1923,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2916, 59.8138,  
26.1895

■ 59.2916, 59.8138,  
26.1895

■ 56.1169, 55.5105,  
18.8238

■ 62.9456, 64.4916,  
35.5170

■ 53.3875, 51.5583,  
13.2692


■ 67.1014, 69.5489,  
46.9345


■ 51.0712, 47.9437,  
9.3589


■ 71.7848, 75.0011,  
60.5636


■ 49.1281, 44.6475,  
6.8928


■ 77.0185, 80.8602,  
76.5155

 47.4926, 41.6403,  
5.5343

 82.8238, 87.1371,  
94.8936

 47.4925, 41.6400,  
5.5342

 87.7371, 93.2492,  
107.9824

 89.7451, 97.2652,  
108.6517

# Harmonies

## Analogous

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



68.5953, 59.8138, 32.2119



59.2916, 59.8138, 26.1895



50.2733, 59.8138, 28.0913

# Triad

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



59.2916, 59.8138, 26.1895



41.7527, 59.8138, 86.7783



72.3481, 59.8138, 102.0489

# Complementary

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



59.2916, 59.8138, 26.1895



36.5706, 36.4774, 87.5512

# 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.



63.9793, 59.8138, 125.5108



59.2916, 59.8138, 26.1895



46.5305, 59.8138, 115.1383

# Square

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



59.2916, 59.8138, 26.1895



40.7910, 59.8138, 58.4759



54.4787, 59.8138, 130.8653



76.6546, 59.8138, 72.2644



# Rectangle

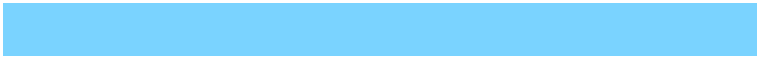
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2916, 59.8138, 26.1895



45.5551, 59.8138, 33.9289



54.4787, 59.8138, 130.8653



69.8756, 59.8138, 111.2386

# Sweetspot

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



59.2930, 59.8166, 26.1907



85.2747, 89.3424, 78.2256



49.3528, 34.6391, 39.2074



17.9837, 18.8210, 15.9286



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.



59.2930, 59.8166, 26.1907



64.3347, 63.6122, 21.4580



65.2908, 79.5235, 29.6784



16.6189, 17.4508, 16.6422



26.1285, 23.0552, 3.0730



2.2674, 2.1054, 0.2869

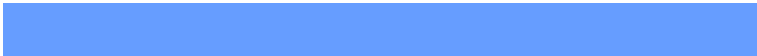


# Inverse Universe

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



36.5706, 36.4774, 87.5512



35.5557, 34.0972, 99.3152



32.5985, 24.9591, 85.5373



15.3607, 16.1556, 20.0304



10.5453, 7.3149, 45.9840



0.9682, 0.7903, 3.8557



# Previews

## White Background



This preview shows how the XYZ color 59.2916, 59.8138, 26.1895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

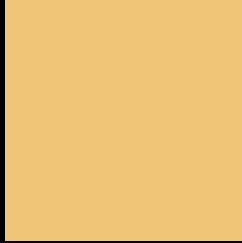
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2916, 59.8138, 26.1895 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 59.2916, 59.8138, 26.1895

## Background



This preview shows how black text looks on a background with the XYZ color 59.2916, 59.8138, 26.1895.



This preview shows how white text looks on a background with the XYZ color 59.2916, 59.8138,



# 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

59.2916, 59.8138, 26.1895

### Protanopia

54.9930, 59.6466, 27.0269

### Deuteranopia

61.1007, 59.7382, 26.3994



## Tritanopia

67.1424, 59.7614, 63.8734

# Trichromacy



## Original Color

59.2916, 59.8138, 26.1895

## Protanomaly

56.6509, 59.8118, 26.6482

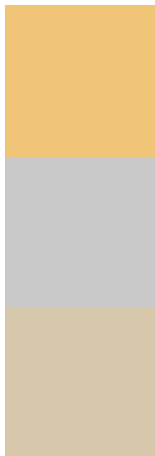
## Deuteranomaly

60.2745, 59.6438, 26.4248

## Tritanomaly

63.7334, 59.6526, 47.1847

# Monochromacy



## Original Color

59.2916, 59.8138, 26.1895

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

56.1250, 58.7342, 47.4085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2916, 59.8138, 26.1895 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(240, 197, 120)` looks like.

```
.text, #text, p{  
    color:rgb(240, 197, 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(240, 197, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 197, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2916, 59.8138, 26.1895 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(240, 197, 120) }
```



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

```
.border{ border-color:rgb(240, 197, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 197, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 197, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 197, 120);  
box-shadow:4px 4px 4px 4px rgb(240, 197,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2916, 59.8138, 26.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 197, 120) }
```

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

```
.background{ background-color: rgb(240,  
197, 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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