

Converting Colors

XYZ(68.0811, 82.5479, 18.1394)

Have a look what the booklet for
XYZ(68.0811, 82.5479, 18.1394)
contains.

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Color

**XYZ(68.0811, 82.5479,
18.1394)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF346
RGB	237, 243, 70
RGB Percent	93%, 95%, 27%
CMY	0.0706, 0.0470, 0.7255
CMYK	0.02, 0.00, 0.71, 0.05
HSL	62°, 88%, 61%
HSV	62°, 71%, 95%
XYZ	68.0811, 82.5479, 18.1394
YIQ	221.4840, 51.9570, -55.0750

Conversions

Conversions Part 2

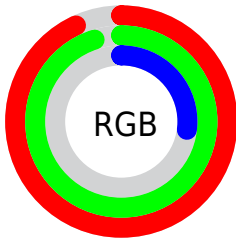
Format	Color
RYB	70, 243, 76
Decimal	15594310
CIELab	92.82, -21.67, 77.57
CIElCh	93, 80.535, 105.606
Yxy	82.5479, 0.4034, 0.4891
Android (android.graphics.Color)	4293784390 (0xFFEDF346)
YUV	221.4840, -74.6816, 13.6075
Hunter-Lab	90.8559, -25.2422, 51.7618

Details

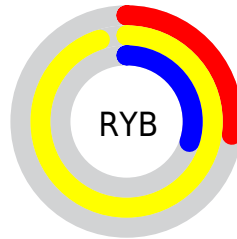
The XYZ color **68.0811, 82.5479, 18.1394** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **21.3508, 12.3896, 86.0653**, and the grayscale version is **69.5534, 73.1756, 79.6882**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **35.9018, 44.8878, 6.7720** is the 20% darker color. If you saturate the color by 10%, you get **67.1836, 82.1595, 14.8719**, and if you desaturate by 10%, it is **69.2939, 83.0687, 23.0437**.

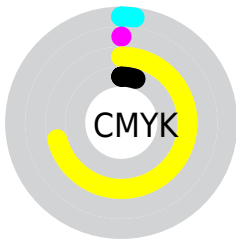
Distribution



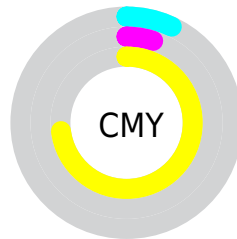
- Red (93%)
- Green (95%)
- Blue (27%)



- Red (27%)
- Yellow (95%)
- Blue (30%)



- Cyan (2%)
- Magenta (0%)
- Yellow (71%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0811, 82.5479, 18.1394 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 68.0811, 82.5479, 18.1394 by changing the saturation by 10% instead.

68.0811, 82.5479,
18.1394

68.0811, 82.5479,
18.1394

443.1555,
503.4785, 253.9181

50.2376, 61.8173,
10.8796

115.5094,
136.9421, 41.0919

35.8208, 44.8851,
5.8728

145.8250,
171.3744, 57.6216

24.4653, 31.3669,
2.7004

181.0286,
211.1428, 78.0785

15.8057, 20.8784,
0.9436

221.4857,
256.6315, 102.8810

9.4768, 13.0351,
0.0000

267.5616,
308.2251, 132.4477

5.1130, 7.4527,
0.0000

319.6216,

2.3492, 3.7468,

366.3078, 167.1970

0.0000

378.0311,
431.2642, 207.5476

■ 0.8196, 1.5330,
0.0000

■ 0.0000, 0.3118,
0.0000

■ 68.0811, 82.5479,
18.1394

■ 68.0811, 82.5479,
18.1394

■ 67.1836, 82.1595,
14.8719

■ 69.2939, 83.0687,
23.0437


■ 66.5556, 81.8760,
13.0251


■ 70.8497, 83.7238,
29.7556


■ 66.1711, 81.6938,
12.2809


■ 72.7795, 84.5287,
38.4299


■ 75.1094, 85.4937,
49.2037

 77.8629, 86.6283,
62.2018

 81.0619, 87.9414,
77.5391

 84.7269, 89.4409,
95.3226

 87.3240, 90.5134,
107.4761

 87.6171, 90.6645,
107.4898

Harmonies

Analogous

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



88.9407, 82.5479, 17.9221



68.0811, 82.5479, 18.1394



52.9790, 82.5479, 30.7893

Triad

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



68.0811, 82.5479, 18.1394



53.4459, 82.5479, 200.5484



124.4772, 82.5479, 121.8324

Complementary

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



68.0811, 82.5479, 18.1394



21.3508, 12.3896, 86.0653

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.



111.0259, 82.5479, 197.6051



68.0811, 82.5479, 18.1394



68.8355, 82.5479, 255.0679

Square

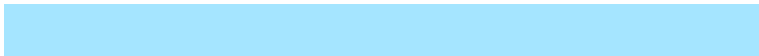
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0811, 82.5479, 18.1394



45.6166, 82.5479, 124.7536



89.8420, 82.5479, 253.7991



124.1763, 82.5479, 62.1995

Rectangle

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



68.0811, 82.5479, 18.1394



47.1078, 82.5479, 50.0513



89.8420, 82.5479, 253.7991



121.3222, 82.5479, 146.6596

Sweetspot

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



68.0830, 82.5517, 18.1411



86.9148, 96.6673, 69.6140



40.6389, 24.6358, 8.4086



18.4105, 20.6114, 13.9841



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.



68.0830, 82.5517, 18.1411



74.6389, 91.5219, 15.5866



45.8725, 71.1018, 17.1017



17.8544, 19.2825, 17.5784



36.3399, 44.8467, 6.7410



3.2114, 3.9506, 0.5933

Inverse Universe

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



21.3508, 12.3896, 86.0653



19.8678, 9.1979, 95.3360



33.3250, 18.5626, 86.6257



15.6343, 15.9541, 20.7980



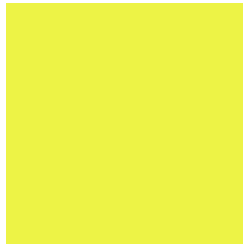
8.9598, 3.5933, 46.7594



0.8059, 0.3253, 4.1106

Previews

White Background



This preview shows how the XYZ color 68.0811, 82.5479, 18.1394 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 68.0811, 82.5479, 18.1394 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 68.0811, 82.5479, 18.1394

Background



This preview shows how black text looks on a background with the XYZ color 68.0811, 82.5479, 18.1394.

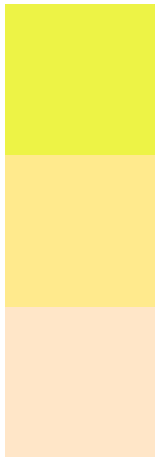


This preview shows how white text looks on a background with the XYZ color 68.0811, 82.5479,

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

68.0811, 82.5479, 18.1394

Protanopia

75.4705, 82.0287, 37.0547

Deuteranopia

79.9621, 82.0238, 66.2613



Tritanopia

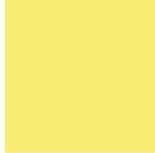
84.4585, 82.4134, 97.8421

Trichromacy



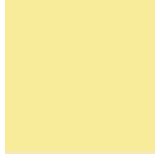
Original Color

68.0811, 82.5479, 18.1394



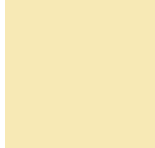
Protanomaly

72.0901, 81.7626, 28.2019



Deuteranomaly

74.1695, 81.6730, 41.9923



Tritanomaly

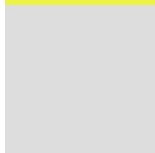
75.8372, 81.3882, 55.4285

Monochromacy



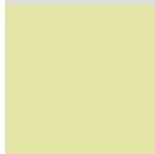
Original Color

68.0811, 82.5479, 18.1394



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5808, 75.1227, 47.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0811, 82.5479, 18.1394 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(237, 243, 70)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 70)  
}
```

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(237, 243, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 70) }
```

Border

The CSS property to change the border of an element to XYZ 68.0811, 82.5479, 18.1394 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(237, 243, 70) }
```


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

```
.border{ border-color:rgb(237, 243, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 70);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0811, 82.5479, 18.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 70) }
```

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

```
.background{ background-color: rgb(237,  
243, 70) }
```

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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