

# Converting Colors

XYZ(68.8148, 81.8693, 25.8117)

Have a look what the booklet for  
XYZ(68.8148, 81.8693, 25.8117)  
contains.

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# Color

**XYZ(68.6489, 81.7841,  
25.8034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF16A
RGB	236, 241, 106
RGB Percent	93%, 95%, 42%
CMY	0.0745, 0.0549, 0.5843
CMYK	0.02, 0.00, 0.56, 0.05
HSL	62°, 83%, 68%
HSV	62°, 56%, 95%
XYZ	68.6489, 81.7841, 25.8034
YIQ	224.1150, 40.3550, -43.0450

# Conversions

## Conversions Part 2

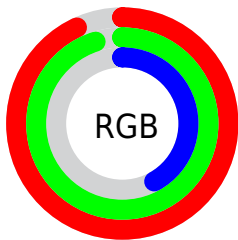
Format	Color
<a href="#">RYB</a>	<a href="#">106, 241, 111</a>
Decimal	<a href="#">15528298</a>
<a href="#">CIELab</a>	<a href="#">92.48, -18.97, 63.27</a>
<a href="#">CIELCh</a>	<a href="#">92, 66.051, 106.695</a>
<a href="#">Yxy</a>	<a href="#">81.7841, 0.3895, 0.4641</a>
Android (android.graphics.Color)	<a href="#">4293718378</a> ( <a href="#">0xFFECEF16A</a> )
<a href="#">YUV</a>	<a href="#">224.1150, -58.2307, 10.4231</a>
<a href="#">Hunter-Lab</a>	<a href="#">90.4346, -22.7611, 46.3872</a>

# Details

The XYZ color **68.6489, 81.7841, 25.8034** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.5895, 20.0403, 85.6381**, and the grayscale version is **71.3188, 75.0330, 81.7109**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **36.0561, 44.2753, 9.6632** is the 20% darker color. If you saturate the color by 10%, you get **67.2724, 81.2023, 20.0913**, and if you desaturate by 10%, it is **70.3829, 82.5151, 33.3733**.

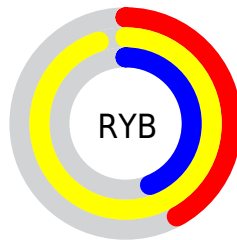
# Distribution



Red (93%)

Green (95%)

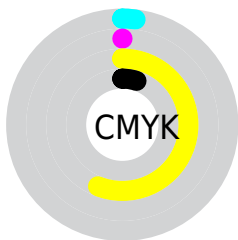
Blue (42%)



Red (42%)

Yellow (95%)

Blue (44%)

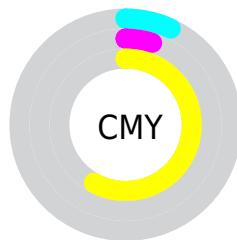


Cyan (2%)

Magenta (0%)

Yellow (56%)

Black (5%)



Cyan (7%)

Magenta (5%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6489, 81.7841, 25.8034 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 68.6489, 81.7841, 25.8034 by changing the saturation by 10% instead.





 68.6489, 81.7841,  
25.8034


 68.6489, 81.7841,  
25.8034


445.1324,  
500.9252, 295.3904


 50.7014, 61.1876,  
16.4522


 116.3168,  
135.8712, 53.9378


 36.1911, 44.3766,  
9.6869


 146.7679,  
170.1306, 73.5580

 24.7526, 30.9667,  
5.0890


 182.1176,  
209.7130, 97.4384

 16.0206, 20.5735,  
2.2399

 222.7313,  
255.0029, 125.9974

 9.6297, 12.8126,  
0.6973

268.9742,  
306.3847, 159.6535

 5.2145, 7.2996,  
0.0000

321.2118,

 2.4097, 3.6502,

364.2428, 198.8254

0.0000

379.8095,  
428.9615, 243.9315

■ 0.8499, 1.4799,  
0.0000

■ 0.0000, 0.2745,  
0.0000

■ 68.6489, 81.7841,  
25.8034

■ 68.6489, 81.7841,  
25.8034

■ 67.2724, 81.2023,  
20.0913

■ 70.3829, 82.5151,  
33.3733

■ 66.2172, 80.7462,  
16.0723


■ 72.4955, 83.3946,  
42.9374


■ 65.4499, 80.4054,  
13.5612


■ 75.0128, 84.4363,  
54.6249


■ 64.9264, 80.1623,  
12.3266


■ 77.9571, 85.6489,  
68.5529


 64.7580, 80.0816,  
12.0442

 81.3489, 87.0407,  
84.8299

 85.2075, 88.6193,  
103.5573

 86.2132, 89.0570,  
107.2535

 86.5212, 89.2158,  
107.2680

 86.8307, 89.3753,  
107.2824

# Harmonies

## Analogous

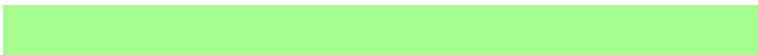
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5638, 81.7841, 25.1762



68.6489, 81.7841, 25.8034



56.1410, 81.7841, 38.7484

# Triad

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



68.6489, 81.7841, 25.8034



57.2572, 81.7841, 176.8587



114.4001, 81.7841, 112.5739

# Complementary

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



68.6489, 81.7841, 25.8034



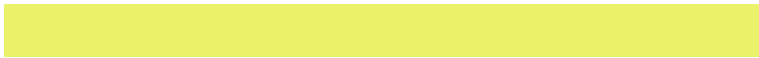
27.5895, 20.0403, 85.6381

# 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.



104.2542, 81.7841, 170.6977



68.6489, 81.7841, 25.8034



70.3958, 81.7841, 216.0278

# Square

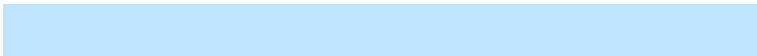
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6489, 81.7841, 25.8034



50.2566, 81.7841, 118.9935



87.5858, 81.7841, 213.4310



113.7489, 81.7841, 64.6034



# Rectangle

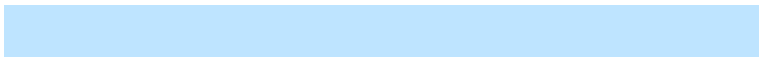
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6489, 81.7841, 25.8034



51.2343, 81.7841, 56.6957



87.5858, 81.7841, 213.4310



112.0824, 81.7841, 131.8324

# Sweetspot

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



68.6508, 81.7879, 25.8051



88.2505, 97.2122, 76.1686



44.5100, 31.0035, 17.2751



18.7385, 20.7454, 15.5870



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.



68.6508, 81.7879, 25.8051



76.3132, 92.2404, 22.2004



50.4222, 72.3907, 24.9520



17.0616, 18.4274, 16.8073



35.1414, 43.4376, 6.5321



2.9414, 3.6229, 0.5443



# Inverse Universe

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



27.5895, 20.0403, 85.6381



25.4959, 15.7821, 96.3102



39.3939, 26.1257, 86.1906



14.9515, 15.2567, 19.8784



8.6951, 3.4879, 45.3428

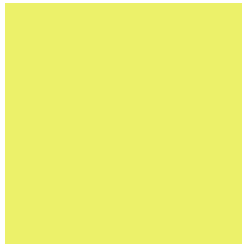


0.7423, 0.2999, 3.7730



# Previews

## White Background



This preview shows how the XYZ color 68.6489, 81.7841, 25.8034 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 68.6489, 81.7841, 25.8034 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 68.6489, 81.7841, 25.8034

## Background



This preview shows how black text looks on a background with the XYZ color 68.6489, 81.7841, 25.8034.



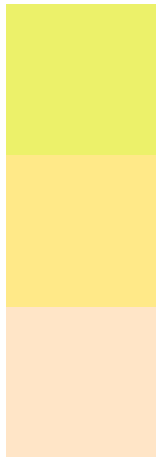
This preview shows how white text looks on a background with the XYZ color 68.6489, 81.7841,



# 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

68.6489, 81.7841, 25.8034

### Protanopia

74.8228, 81.3154, 35.0444

### Deuteranopia

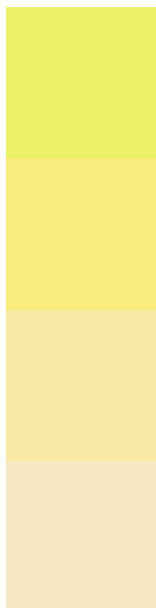
79.5681, 81.4221, 65.5552



## Tritanopia

82.9498, 81.2484, 96.8985

# Trichromacy



## Original Color

68.6489, 81.7841, 25.8034

## Protanomaly

72.4085, 81.4280, 31.3029

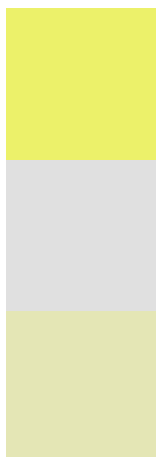
## Deuteranomaly

74.6418, 80.9509, 47.2883

## Tritanomaly

75.9697, 80.4593, 62.5651

# Monochromacy



## Original Color

68.6489, 81.7841, 25.8034

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

68.6322, 76.4238, 54.8500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6489, 81.7841, 25.8034 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(236, 241, 106)` looks like.

```
.text, #text, p{  
    color:rgb(236, 241, 106)  
}
```

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(236, 241, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 241, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6489, 81.7841, 25.8034 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(236, 241, 106) }
```



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

```
.border{ border-color:rgb(236, 241, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 241, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 241, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 241, 106);  
box-shadow:4px 4px 4px 4px rgb(236, 241,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6489, 81.7841, 25.8034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 241, 106) }
```

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

```
.background{ background-color: rgb(236,  
241, 106) }
```

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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