

Converting Colors

XYZ(68.2166, 80.6368, 11.9691)

Have a look what the booklet for
XYZ(68.2166, 80.6368, 11.9691)
contains.

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Color

**XYZ(68.2307, 80.5615,
11.9538)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EE00
RGB	245, 238, 0
RGB Percent	96%, 93%, 0%
CMY	0.0392, 0.0666, 0.9999
CMYK	0.00, 0.03, 1.00, 0.04
HSL	58°, 100%, 48%
HSV	58°, 100%, 96%
XYZ	68.2307, 80.5615, 11.9538
YIQ	212.9610, 80.5700, -72.5340

Conversions

Conversions Part 2

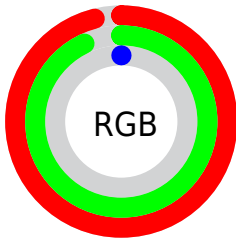
Format	Color
R _Y B	7, 245, 0
Decimal	16117248
CIE Lab	91.94, -17.55, 90.33
CIE LCh	92, 92.019, 100.992
Yxy	80.5615, 0.4245, 0.5012
Android (android.graphics.Color)	4294307328 (0xFF5EE00)
YUV	212.9610, -104.9898, 28.0982
Hunter-Lab	89.7561, -21.3811, 54.9329

Details

The XYZ color **68.2307, 80.5615, 11.9538** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **16.5580, 6.7453, 86.8148**, and the grayscale version is **63.8670, 67.1930, 73.1732**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **36.4951, 43.6462, 6.5011** is the 20% darker color. If you saturate the color by 10%, you get **68.2320, 80.5646, 11.9543**, and if you desaturate by 10%, it is **68.6068, 81.0415, 12.9202**.

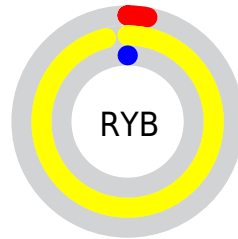
Distribution



Red (96%)

Green (93%)

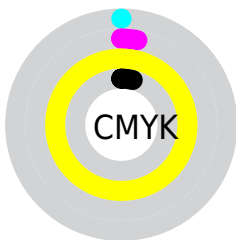
Blue (0%)



Red (3%)

Yellow (96%)

Blue (0%)

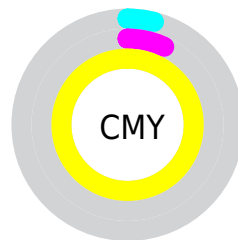


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2307, 80.5615, 11.9538 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 68.2307, 80.5615, 11.9538 by changing the saturation by 10% instead.


 68.2307, 80.5615,
11.9538


 68.2307, 80.5615,
11.9538


443.6769,
496.8231, 215.0662


 50.3598, 60.1805,
6.5901


 115.7222,
134.1549, 30.0741


 35.9183, 43.5642,
3.1326


 146.0735,
168.1361, 43.6677


 24.5410, 30.3280,
1.1627


 181.3157,
207.4195, 60.8417

 15.8623, 20.0877,
0.0000

 221.8141,
252.3894, 82.0146

 9.5170, 12.4588,
0.0000

 267.9341,
303.4304, 107.6050

 5.1397, 7.0570,
0.0000

 320.0409,

 2.3651, 3.4977,

360.9267, 138.0313

0.0000

378.5001,
425.2628, 173.7123

■ 0.8276, 1.3968,
0.0000

■ 0.0000, 0.2144,
0.0000

■ 68.2307, 80.5615,
11.9538

■ 68.2307, 80.5615,
11.9538

■ 68.2320, 80.5646,
11.9543

■ 68.6068, 81.0415,
12.9202

■ 69.1963, 81.6049,
15.0139

■ 70.0672, 82.2823,
18.5859

■ 71.2594, 83.0894,
23.8460

■ 72.8065, 84.0398,
30.9706

■ 74.7376, 85.1450,
40.1136

■ 77.0789, 86.4156,
51.4132

■ 79.8545, 87.8612,
64.9953

■ 83.0863, 89.4905,
80.9761

Harmonies

Analogous

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



92.3429, 80.5615, 13.2443



68.2307, 80.5615, 11.9538



50.4677, 80.5615, 21.5985

Triad

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



68.2307, 80.5615, 11.9538



47.1423, 80.5615, 203.7489



128.0623, 80.5615, 137.2895

Complementary

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



68.2307, 80.5615, 11.9538



16.5580, 6.7453, 86.8148

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.



110.4081, 80.5615, 227.1497



68.2307, 80.5615, 11.9538



62.7062, 80.5615, 277.2222

Square

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



68.2307, 80.5615, 11.9538



40.0696, 80.5615, 114.9413



85.5653, 80.5615, 287.4847



130.3923, 80.5615, 65.1727

Rectangle

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



68.2307, 80.5615, 11.9538



43.3133, 80.5615, 38.5391



85.5653, 80.5615, 287.4847



123.5756, 80.5615, 167.1567

Sweetspot

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



68.2325, 80.5653, 11.9554



84.3935, 94.6291, 56.2004



37.7012, 19.4311, 1.9990



17.8200, 20.1239, 10.8482



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.



68.2325, 80.5653, 11.9554



74.7217, 88.2234, 13.0906



41.9633, 70.1043, 11.3208



17.8717, 19.2276, 17.5669



36.7768, 43.4391, 6.4462



3.2449, 3.8430, 0.5708

Inverse Universe

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



16.5580, 6.7453, 86.8148



18.1290, 7.3780, 95.0763



23.4669, 10.1943, 87.1163



15.6191, 16.0025, 20.8081



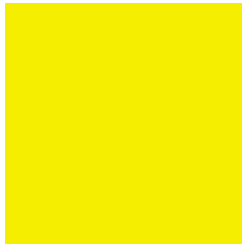
8.9366, 3.6669, 46.7748



0.7985, 0.3485, 4.1154

Previews

White Background



This preview shows how the XYZ color 68.2307, 80.5615, 11.9538 looks on a white background.

Color Contrast Check

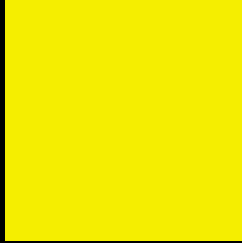
Large Text (above 18pt) WCAG AA × Fail

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 68.2307, 80.5615, 11.9538 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 68.2307, 80.5615, 11.9538

Background



This preview shows how black text looks on a background with the XYZ color 68.2307, 80.5615, 11.9538.

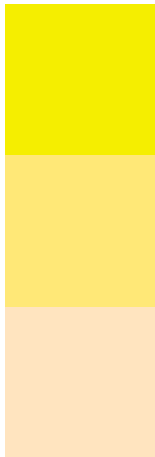


This preview shows how white text looks on a background with the XYZ color 68.2307, 80.5615,

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

68.2307, 80.5615, 11.9538

Protanopia

73.4264, 80.3051, 29.0832

Deuteranopia

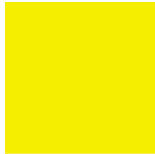
78.3874, 80.5084, 60.6984



Tritanopia

82.9137, 80.1498, 91.2212

Trichromacy



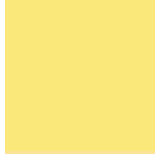
Original Color

68.2307, 80.5615, 11.9538



Protanomaly

70.5110, 79.8767, 18.5389



Deuteranomaly

72.1531, 79.6276, 29.9791



Tritanomaly

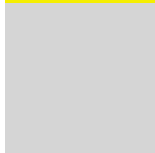
73.1130, 78.2304, 40.5247

Monochromacy



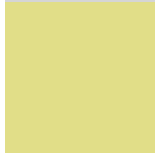
Original Color

68.2307, 80.5615, 11.9538



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.6165, 70.0277, 33.5617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2307, 80.5615, 11.9538 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(245, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 238, 0)  
}
```

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(245, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 238, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.2307, 80.5615, 11.9538 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(245, 238, 0) }
```


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

```
.border{ border-color:rgb(245, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 238,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2307, 80.5615, 11.9538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 238, 0) }
```

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

```
.background{ background-color: rgb(245,  
238, 0) }
```

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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