

Converting Colors

XYZ(66.4826, 79.9937, 12.5470)

Have a look what the booklet for
XYZ(66.4826, 79.9937, 12.5470)
contains.

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Color

**XYZ(66.5806, 80.1307,
12.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEF13
RGB	239, 239, 19
RGB Percent	94%, 94%, 7%
CMY	0.0627, 0.0627, 0.9254
CMYK	0.00, 0.00, 0.92, 0.06
HSL	60°, 87%, 51%
HSV	60°, 92%, 94%
XYZ	66.5806, 80.1307, 12.5737
YIQ	213.9200, 70.6200, -68.4200

Conversions

Conversions Part 2

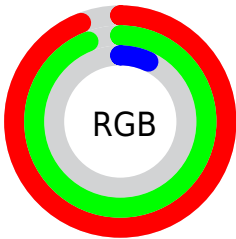
Format	Color
R _Y B	19, 239, 19
Decimal	15724307
CIE Lab	91.74, -20.35, 88.37
CIE LCh	92, 90.684, 102.970
Yxy	80.1307, 0.4180, 0.5031
Android (android.graphics.Color)	4293914387 (0xFFEFEF13)
YUV	213.9200, -96.0956, 21.9952
Hunter-Lab	89.5158, -23.8867, 54.3329

Details

The XYZ color **66.5806, 80.1307, 12.5737** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **16.0833, 6.8376, 82.1385**, and the grayscale version is **64.4593, 67.8162, 73.8518**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **35.2936, 43.3319, 6.5037** is the 20% darker color. If you saturate the color by 10%, you get **66.4645, 80.0872, 11.9553**, and if you desaturate by 10%, it is **66.8996, 80.2614, 14.2441**.

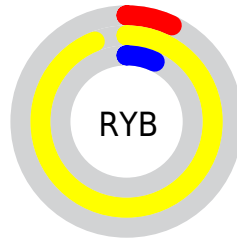
Distribution



Red (94%)

Green (94%)

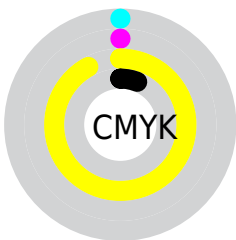
Blue (7%)



Red (7%)

Yellow (94%)

Blue (7%)

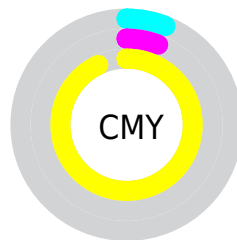


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (6%)



Cyan (6%)

Magenta (6%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5806, 80.1307, 12.5737 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 66.5806, 80.1307, 12.5737 by changing the saturation by 10% instead.

66.5806, 80.1307,
12.5737

66.5806, 80.1307,
12.5737

437.9064,
495.3732, 219.2782

49.0133, 59.8259,
7.0084

113.3724,
133.5495, 31.2156

34.8446, 43.2783,
3.3888

143.3276,
167.4322, 45.1294

23.7092, 30.1036,
1.2964

178.1428,
206.6098, 62.6630

15.2416, 19.9172,
0.0589

218.1833,
251.4665, 84.2350

9.0765, 12.3349,
0.0000

263.8146,
302.3869, 110.2640

4.8486, 6.9722,
0.0000

315.4020,

2.1926, 3.4447,

359.7551, 141.1685

0.0000

373.3108,
423.9558, 177.3671

■ 0.7388, 1.3681,
0.0000

■ 0.0000, 0.1930,
0.0000

■ 66.5806, 80.1307,
12.5737

■ 66.5806, 80.1307,
12.5737

■ 66.4645, 80.0872,
11.9553

■ 66.8996, 80.2614,
14.2441

■ 67.4731, 80.4908,
17.2626

■ 68.3420, 80.8384,
21.8367

■ 69.5388, 81.3171,
28.1375

71.0917, 81.9383,
36.3136

73.0259, 82.7120,
46.4977

75.3643, 83.6474,
58.8104

78.1281, 84.7530,
73.3628

81.3369, 86.0365,
90.2585

Harmonies

Analogous

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



89.9900, 80.1307, 13.2287



66.5806, 80.1307, 12.5737



49.6190, 80.1307, 23.1735

Triad

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



66.5806, 80.1307, 12.5737



47.9583, 80.1307, 206.5376



127.2817, 80.1307, 130.2759

Complementary

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



66.5806, 80.1307, 12.5737



16.0833, 6.8376, 82.1385

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.



110.7999, 80.1307, 218.1164



66.5806, 80.1307, 12.5737



63.8282, 80.1307, 275.3210

Square

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



66.5806, 80.1307, 12.5737



40.4327, 80.1307, 119.1841



86.6208, 80.1307, 280.3922



128.4373, 80.1307, 61.5977

Rectangle

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



66.5806, 80.1307, 12.5737



42.9314, 80.1307, 41.1100



86.6208, 80.1307, 280.3922



123.2177, 80.1307, 159.1526

Sweetspot

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



66.5824, 80.1345, 12.5753



85.6090, 96.2235, 59.1888



35.9498, 18.8655, 2.3637



18.0871, 20.5011, 11.4222



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.



66.5824, 80.1345, 12.5753



76.9968, 92.7784, 13.8499



40.0416, 66.4522, 11.3332



17.1229, 18.4590, 16.8102



36.7275, 44.2553, 6.6064



3.0554, 3.6816, 0.5496

Inverse Universe

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



16.0833, 6.8376, 82.1385



18.0501, 7.2201, 95.0500



24.8697, 11.3672, 82.5497



14.8974, 15.2288, 19.8759



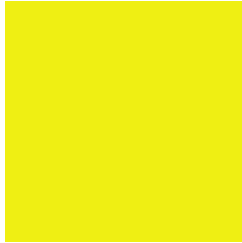
8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 66.5806, 80.1307, 12.5737 looks on a white background.

Color Contrast Check

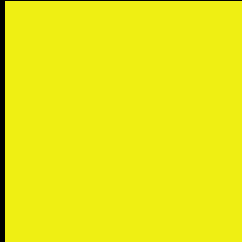
Large Text (above 18pt) WCAG AA × Fail

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 66.5806, 80.1307, 12.5737 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 66.5806, 80.1307, 12.5737

Background



This preview shows how black text looks on a background with the XYZ color 66.5806, 80.1307, 12.5737.



This preview shows how white text looks on a background with the XYZ color 66.5806, 80.1307,

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

66.5806, 80.1307, 12.5737

Protanopia

73.0772, 80.1655, 27.2447

Deuteranopia

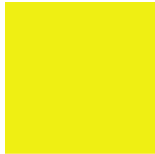
77.8944, 79.8723, 59.4555



Tritanopia

83.0895, 79.7938, 93.4605

Trichromacy



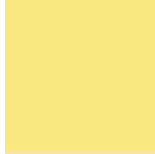
Original Color

66.5806, 80.1307, 12.5737



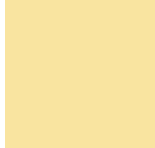
Protanomaly

70.1865, 80.1209, 19.1628



Deuteranomaly

71.4736, 78.8239, 31.5261



Tritanomaly

73.1555, 78.1646, 44.4893

Monochromacy



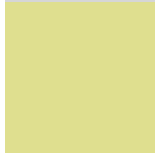
Original Color

66.5806, 80.1307, 12.5737



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.7770, 70.4465, 36.3281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5806, 80.1307, 12.5737 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(239, 239, 19)` looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 19)  
}
```

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(239, 239, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 19) }
```

Border

The CSS property to change the border of an element to XYZ 66.5806, 80.1307, 12.5737 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(239, 239, 19) }
```


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

```
.border{ border-color:rgb(239, 239, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 239, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 239, 19);  
box-shadow:4px 4px 4px 4px rgb(239, 239,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5806, 80.1307, 12.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 19) }
```

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

```
.background{ background-color: rgb(239,  
239, 19) }
```

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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