

Converting Colors

XYZ(67.1691, 81.8827, 12.2650)

Have a look what the booklet for
XYZ(67.1691, 81.8827, 12.2650)
contains.

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Color

**XYZ(67.0120, 81.6814,
12.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF200
RGB	238, 242, 0
RGB Percent	93%, 95%, 0%
CMY	0.0667, 0.0510, 0.9999
CMYK	0.02, 0.00, 1.00, 0.05
HSL	61°, 100%, 47%
HSV	61°, 100%, 95%
XYZ	67.0120, 81.6814, 12.2342
YIQ	213.2160, 75.2980, -76.1100

Conversions

Conversions Part 2

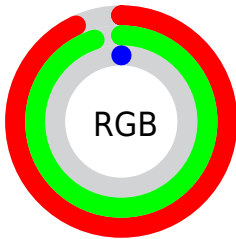
Format	Color
RYB	0, 242, 4
Decimal	15659520
CIELab	92.43, -22.37, 90.45
CIELCh	92, 93.172, 103.894
Yxy	81.6814, 0.4164, 0.5076
Android (android.graphics.Color)	4293849600 (0xFFEEF200)
YUV	213.2160, -105.1155, 21.7356
Hunter-Lab	90.3778, -25.8095, 55.2385

Details

The XYZ color **67.0120, 81.6814, 12.2342** 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 **16.0790, 6.4381, 84.4048**, and the grayscale version is **64.0420, 67.3772, 73.3737**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **35.6904, 44.4649, 6.7015** is the 20% darker color. If you saturate the color by 10%, you get **67.0134, 81.6850, 12.2348**, and if you desaturate by 10%, it is **67.3157, 81.8215, 13.1224**.

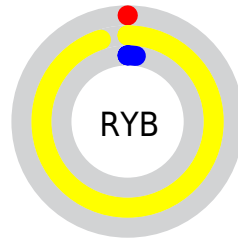
Distribution



Red (93%)

Green (95%)

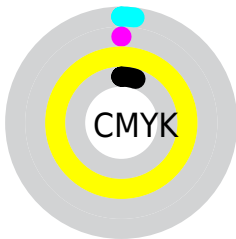
Blue (0%)



Red (0%)

Yellow (95%)

Blue (2%)

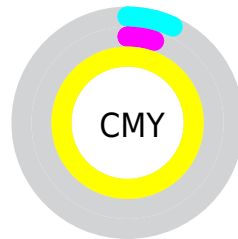


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (7%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0120, 81.6814, 12.2342 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 67.0120, 81.6814, 12.2342 by changing the saturation by 10% instead.


 67.0120, 81.6814,
12.2342

 67.0120, 81.6814,
12.2342


439.4193,
500.5814, 216.9823

 49.3651, 61.1030,
6.7789


 113.9873,
135.7271, 30.5917


 35.1249, 44.3083,
3.2479


 144.0464,
169.9632, 44.3310


 23.9261, 30.9129,
1.2226


 178.9737,
209.5206, 61.6687

 15.4032, 20.5326,
0.0000


 219.1344,
254.7837, 83.0233

 9.1910, 12.7827,
0.0000

 264.8940,
306.1370, 108.8135

 4.9241, 7.2791,
0.0000

 316.6178,

 2.2371, 3.6373,

363.9647, 139.4577

0.0000

374.6711,
428.6514, 175.3744

■ 0.7622, 1.4728,
0.0000

■ 0.0000, 0.2695,
0.0000

■ 67.0120, 81.6814,
12.2342

■ 67.0120, 81.6814,
12.2342

■ 67.0134, 81.6850,
12.2348

■ 67.3157, 81.8215,
13.1224

■ 67.8260, 82.0412,
15.1047

■ 68.6094, 82.3702,
18.5236

■ 69.7046, 82.8240,
23.5828

■ 71.1439, 83.4154,
30.4531

■ 72.9560, 84.1560,
39.2840

■ 75.1660, 85.0558,
50.2094

■ 77.7973, 86.1241,
63.3516

■ 80.8713, 87.3695,
78.8233

Harmonies

Analogous

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



91.2413, 81.6814, 12.5917



67.0120, 81.6814, 12.2342



49.6893, 81.6814, 23.4091

Triad

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



67.0120, 81.6814, 12.2342



48.7539, 81.6814, 216.6526



131.3312, 81.6814, 131.1599

Complementary

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



67.0120, 81.6814, 12.2342



16.0790, 6.4381, 84.4048

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.



114.4804, 81.6814, 223.2907



67.0120, 81.6814, 12.2342



65.4547, 81.6814, 287.6182

Square

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



67.0120, 81.6814, 12.2342



40.7242, 81.6814, 124.8402



89.3268, 81.6814, 290.5334



131.9909, 81.6814, 60.6762

Rectangle

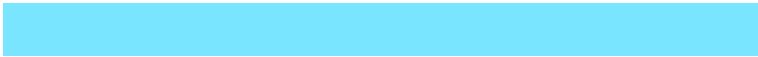
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0120, 81.6814, 12.2342



42.9612, 81.6814, 42.3194



89.3268, 81.6814, 290.5334



127.2370, 81.6814, 161.2176

Sweetspot

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



67.0138, 81.6852, 12.2359



84.6216, 95.7750, 56.4096



36.6208, 18.8793, 1.7150



17.8756, 20.4034, 10.8992



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.



67.0138, 81.6852, 12.2359



75.4632, 91.9878, 13.7781



39.6425, 67.5747, 10.9549



17.0955, 18.4449, 16.8089



36.0104, 43.8856, 6.5728



3.0040, 3.6551, 0.5472

Inverse Universe

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



16.0790, 6.4381, 84.4048



18.1029, 7.2473, 95.0525



23.9166, 10.4785, 84.7716



14.9215, 15.2412, 19.8770



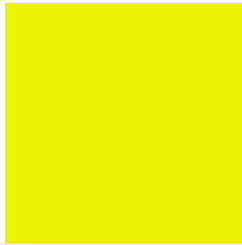
8.6479, 3.4636, 45.3406



0.7279, 0.2925, 3.7723

Previews

White Background



This preview shows how the XYZ color 67.0120, 81.6814, 12.2342 looks on a white background.

Color Contrast Check

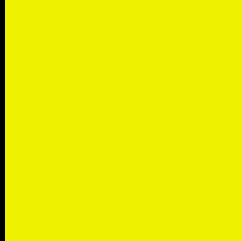
Large Text (above 18pt) WCAG AA × Fail

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 67.0120, 81.6814, 12.2342 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 67.0120, 81.6814, 12.2342

Background



This preview shows how black text looks on a background with the XYZ color 67.0120, 81.6814, 12.2342.



This preview shows how white text looks on a background with the XYZ color 67.0120, 81.6814,

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

67.0120, 81.6814, 12.2342

Protanopia

74.4756, 81.1765, 33.2161

Deuteranopia

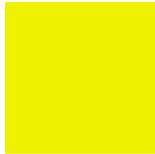
79.1096, 81.2388, 63.1409



Tritanopia

83.9759, 81.3923, 96.0783

Trichromacy



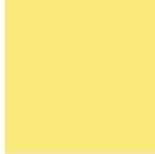
Original Color

67.0120, 81.6814, 12.2342



Protanomaly

70.6237, 80.7552, 20.0487



Deuteranomaly

72.1278, 80.4406, 30.7938



Tritanomaly

73.2037, 79.4748, 42.4923

Monochromacy



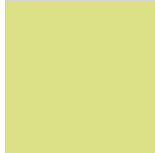
Original Color

67.0120, 81.6814, 12.2342



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.2238, 70.6185, 33.6964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0120, 81.6814, 12.2342 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(238, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 242, 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(238, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.0120, 81.6814, 12.2342 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(238, 242, 0) }
```


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

```
.border{ border-color:rgb(238, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 242,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0120, 81.6814, 12.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 242, 0) }
```

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

```
.background{ background-color: rgb(238,  
242, 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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