

Converting Colors

XYZ(68.7904, 88.5353, 13.9225)

Have a look what the booklet for
XYZ(68.7904, 88.5353, 13.9225)
contains.

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Color

**XYZ(68.8012, 88.5434,
13.9163)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF0F
RGB	231, 255, 15
RGB Percent	91%, 100%, 6%
CMY	0.0941, 0.0000, 0.9411
CMYK	0.09, 0.00, 0.94, 0.00
HSL	66°, 100%, 53%
HSV	66°, 94%, 100%
XYZ	68.8012, 88.5434, 13.9163
YIQ	220.4640, 62.7360, -79.7280

Conversions

Conversions Part 2

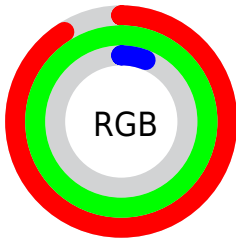
Format	Color
R _Y B	15, 255, 39
Decimal	15204111
CIE Lab	95.39, -31.19, 91.31
CIE LCh	95, 96.485, 108.857
Yxy	88.5434, 0.4017, 0.5170
Android (android.graphics.Color)	4293394191 (0xFFE7FF0F)
YUV	220.4640, -101.2938, 9.2401
Hunter-Lab	94.0975, -34.1569, 57.0997

Details

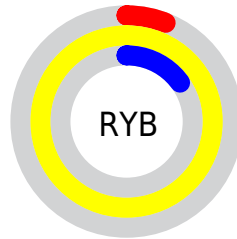
The XYZ color **68.8012, 88.5434, 13.9163** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.0591, 7.9945, 95.1463**, and the grayscale version is **69.0096, 72.6035, 79.0652**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **36.7716, 48.9342, 7.5072** is the 20% darker color. If you saturate the color by 10%, you get **68.2315, 88.2597, 13.4396**, and if you desaturate by 10%, it is **69.9361, 89.0931, 15.5658**.

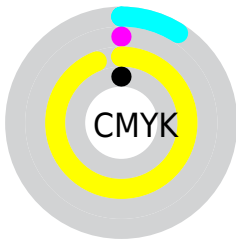
Distribution



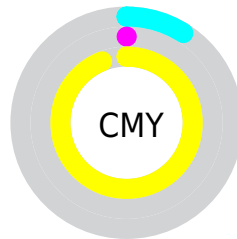
- Red (91%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (15%)



- Cyan (9%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8012, 88.5434, 13.9163 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 68.8012, 88.5434, 13.9163 by changing the saturation by 10% instead.

68.8012, 88.5434,
13.9163

68.8012, 88.5434,
13.9163

445.6619,
523.2811, 228.1198

50.8259, 66.7732,
7.9244

116.5332,
145.3134, 33.6554

36.2905, 48.9003,
3.9595

147.0206,
181.0821, 48.2397

24.8298, 34.5404,
1.6032

182.4094,
222.2856, 66.5252

16.0784, 23.3091,
0.2931

223.0650,
269.3085, 88.9305

9.6708, 14.8219,
0.0000

269.3526,
322.5351, 115.8740

5.2418, 8.6945,
0.0000

321.6378,

2.4261, 4.5424,

382.3498, 147.7744

0.0000

380.2857,
449.1370, 185.0501

■ 0.8581, 1.9814,
0.0000

■ 0.0000, 0.5966,
0.0000

■ 68.8012, 88.5434,
13.9163

■ 68.8012, 88.5434,
13.9163


■ 68.2315, 88.2597,
13.4396


■ 69.9361, 89.0931,
15.5658


■ 71.3695, 89.7637,
18.7235


■ 73.1500, 90.5744,
23.6452


■ 75.3169, 91.5412,
30.5386

 77.9044, 92.6776,
39.5831

 80.9427, 93.9957,
50.9376

 84.4591, 95.5065,
64.7461

 88.4790, 97.2201,
81.1409

 93.0256, 99.1459,
100.2450

Harmonies

Analogous

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



94.3486, 88.5434, 12.5699



68.8012, 88.5434, 13.9163



51.4400, 88.5434, 28.9254

Triad

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



68.8012, 88.5434, 13.9163



54.9954, 88.5434, 252.4565



144.3984, 88.5434, 127.3042

Complementary

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



68.8012, 88.5434, 13.9163



19.0591, 7.9945, 95.1463

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.



128.4403, 88.5434, 227.0937



68.8012, 88.5434, 13.9163



74.7287, 88.5434, 320.7974

Square

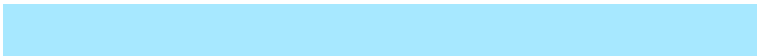
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8012, 88.5434, 13.9163



44.6964, 88.5434, 151.4123



101.6448, 88.5434, 309.6514



141.8810, 88.5434, 56.6574

Rectangle

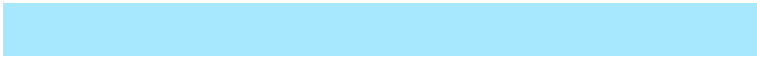
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8012, 88.5434, 13.9163



45.1518, 88.5434, 52.9216



101.6448, 88.5434, 309.6514



140.9029, 88.5434, 158.8906

Sweetspot

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



68.8012, 88.5434, 13.9175



83.0312, 94.8946, 59.0682



42.0529, 22.7474, 2.6273



17.4521, 20.1738, 11.3924



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.



68.8012, 88.5434, 13.9175



68.2315, 88.2597, 13.4396



42.4043, 74.9353, 12.6821



19.3716, 20.9930, 19.1754



35.7254, 46.1552, 7.0259



3.5281, 4.5195, 0.6864

Inverse Universe

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



19.0591, 7.9945, 95.1463



18.4634, 7.4331, 95.0693



32.5218, 14.9347, 95.7763



17.1715, 17.4646, 22.7159



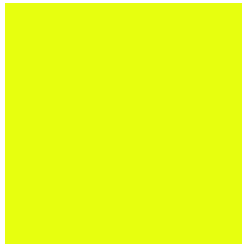
9.7026, 3.9123, 49.6784



0.9981, 0.4085, 4.8395

Previews

White Background



This preview shows how the XYZ color 68.8012, 88.5434, 13.9163 looks on a white background.

Color Contrast Check

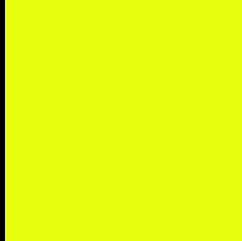
Large Text (above 18pt) WCAG AA × Fail

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 68.8012, 88.5434, 13.9163 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 68.8012, 88.5434, 13.9163

Background



This preview shows how black text looks on a background with the XYZ color 68.8012, 88.5434, 13.9163.

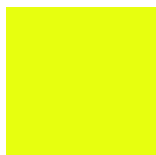


This preview shows how white text looks on a background with the XYZ color 68.8012, 88.5434,

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



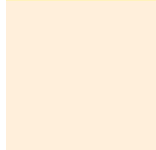
Original Color

68.8012, 88.5434, 13.9163



Protanopia

82.0692, 88.3951, 60.3134



Deuteranopia

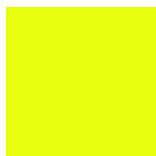
84.8927, 88.1075, 79.5500



Tritanopia

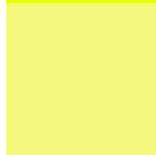
87.4011, 87.9281, 106.9730

Trichromacy



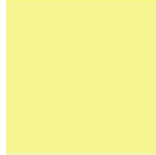
Original Color

68.8012, 88.5434, 13.9163



Protanomaly

74.9685, 87.5950, 32.3583



Deuteranomaly

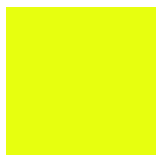
75.7693, 86.9420, 39.5761



Tritanomaly

76.0365, 86.4058, 49.7162

Monochromacy



Original Color

68.8012, 88.5434, 13.9163



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.9902, 76.1695, 38.0649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8012, 88.5434, 13.9163 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(231, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 15)  
}
```

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(231, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 15) }
```

Border

The CSS property to change the border of an element to XYZ 68.8012, 88.5434, 13.9163 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(231, 255, 15) }
```


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

```
.border{ border-color:rgb(231, 255, 15) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8012, 88.5434, 13.9163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 15) }
```

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

```
.background{ background-color: rgb(231,  
255, 15) }
```

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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