

Converting Colors

XYZ(68.6954, 88.4494, 15.6944)

Have a look what the booklet for
XYZ(68.6954, 88.4494, 15.6944)
contains.

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Color

**XYZ(68.8292, 88.5174,
15.7434)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF2B
RGB	230, 255, 43
RGB Percent	90%, 100%, 17%
CMY	0.0980, 0.0000, 0.8313
CMYK	0.10, 0.00, 0.83, 0.00
HSL	67°, 100%, 58%
HSV	67°, 83%, 100%
XYZ	68.8292, 88.5174, 15.7434
YIQ	223.3570, 53.1520, -71.2320

Conversions

Conversions Part 2

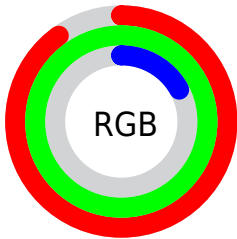
Format	Color
RYB	43, 255, 68
Decimal	15138603
CIELab	95.38, -31.08, 87.06
CIElCh	95, 92.440, 109.645
Yxy	88.5174, 0.3976, 0.5114
Android (android.graphics.Color)	4293328683 (0xFFE6FF2B)
YUV	223.3570, -88.9160, 5.8259
Hunter-Lab	94.0837, -34.0605, 55.9373

Details

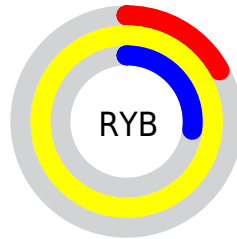
The XYZ color **68.8292, 88.5174, 15.7434** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.2991, 10.1781, 95.4497**, and the grayscale version is **70.9802, 74.6767, 81.3229**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **36.7716, 48.9342, 7.5072** is the 20% darker color. If you saturate the color by 10%, you get **67.5413, 87.8917, 13.9566**, and if you desaturate by 10%, it is **70.4256, 89.2684, 19.0699**.

Distribution



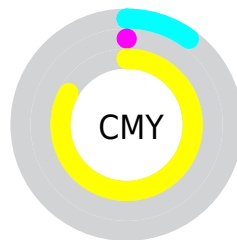
- Red (90%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (27%)



- Cyan (10%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8292, 88.5174, 15.7434 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 68.8292, 88.5174, 15.7434 by changing the saturation by 10% instead.

68.8292, 88.5174,
15.7434

68.8292, 88.5174,
15.7434

445.7591,
523.1961, 239.6166

50.8488, 66.7516,
9.1904

116.5730,
145.2773, 36.9127

36.3088, 48.8828,
4.7671

147.0671,
181.0402, 52.3661

24.8440, 34.5265,
2.0549

182.4630,
222.2376, 71.6234

16.0890, 23.2984,
0.5887

223.1263,
269.2539, 95.1030

9.6784, 14.8140,
0.0000

269.4222,
322.4735, 123.2236

5.2469, 8.6889,
0.0000

321.7160,

2.4291, 4.5389,

382.2809, 156.4037

0.0000

380.3732,
449.0602, 195.0619

■ 0.8596, 1.9793,
0.0000

■ 0.0000, 0.5954,
0.0000

■ 68.8292, 88.5174,
15.7434

■ 68.8292, 88.5174,
15.7434

■ 67.5413, 87.8917,
13.9566

■ 70.4256, 89.2684,
19.0699

■ 66.7885, 87.5158,
13.3721

■ 72.3777, 90.1636,
24.1812

■ 74.7244, 91.2187,
31.2831

■ 77.4996, 92.4470,
40.5524

■ 80.7330, 93.8607,
52.1466

■ 84.4520, 95.4705,
66.2084

■ 88.6814, 97.2864,
82.8692

■ 93.4447, 99.3179,
102.2508

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



93.1746, 88.5174, 14.0635



68.8292, 88.5174, 15.7434



52.2664, 88.5174, 31.4281

Triad

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



68.8292, 88.5174, 15.7434



56.4243, 88.5174, 246.1126



141.5686, 88.5174, 123.6258

Complementary

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



68.8292, 88.5174, 15.7434



21.2991, 10.1781, 95.4497

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.



126.8685, 88.5174, 217.5175



68.8292, 88.5174, 15.7434



75.6963, 88.5174, 308.3695

Square

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



68.8292, 88.5174, 15.7434



46.1608, 88.5174, 151.1547



101.5524, 88.5174, 295.8736



138.7060, 88.5174, 56.7516

Rectangle

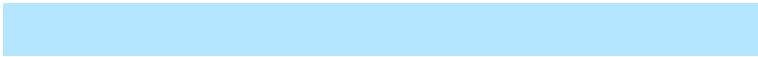
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8292, 88.5174, 15.7434



46.2989, 88.5174, 55.6205



101.5524, 88.5174, 295.8736



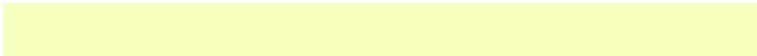
138.4187, 88.5174, 153.3531

Sweetspot

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



68.8292, 88.5174, 15.7446



83.7194, 95.1545, 63.3887



43.7280, 25.5379, 4.9113



17.6346, 20.2438, 12.4843



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.



68.8292, 88.5174, 15.7446



66.7885, 87.5158, 13.3721



44.5481, 76.0001, 14.6082



19.3379, 20.9756, 19.1738



34.9822, 45.7721, 6.9911



3.4632, 4.4861, 0.6834

Inverse Universe

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



21.2991, 10.1781, 95.4497



18.5876, 7.4971, 95.0752



36.3116, 17.9173, 96.1523



17.2019, 17.4803, 22.7173



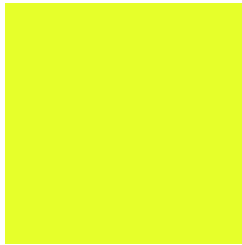
9.7748, 3.9496, 49.6817



1.0124, 0.4158, 4.8402

Previews

White Background



This preview shows how the XYZ color 68.8292, 88.5174, 15.7434 looks on a white background.

Color Contrast Check

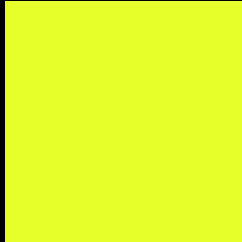
Large Text (above 18pt) WCAG AA × Fail

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 68.8292, 88.5174, 15.7434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

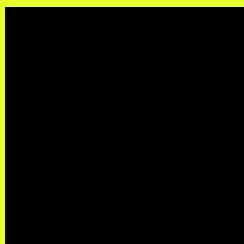
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8292, 88.5174, 15.7434

Background



This preview shows how black text looks on a background with the XYZ color 68.8292, 88.5174, 15.7434.

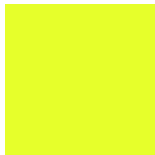


This preview shows how white text looks on a background with the XYZ color 68.8292, 88.5174,

Color Blindness Simulation

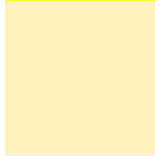
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.8292, 88.5174, 15.7434



Protanopia

81.6649, 87.7585, 59.6486



Deuteranopia

84.8927, 88.1075, 79.5500



Tritanopia

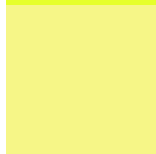
87.3359, 88.3255, 107.0532

Trichromacy



Original Color

68.8292, 88.5174, 15.7434



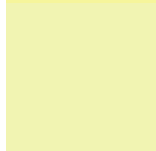
Protanomaly

75.3350, 87.2536, 35.7927



Deuteranomaly

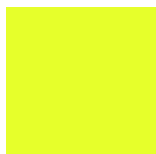
76.5748, 87.2642, 43.8181



Tritanomaly

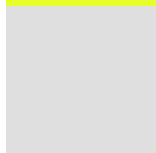
76.6622, 86.6165, 54.7976

Monochromacy



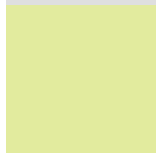
Original Color

68.8292, 88.5174, 15.7434



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.2439, 78.0540, 43.8696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8292, 88.5174, 15.7434 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(230, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 43)  
}
```

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(230, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 43) }
```

Border

The CSS property to change the border of an element to XYZ 68.8292, 88.5174, 15.7434 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(230, 255, 43) }
```


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

```
.border{ border-color:rgb(230, 255, 43) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8292, 88.5174, 15.7434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 43) }
```

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

```
.background{ background-color: rgb(230,  
255, 43) }
```

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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