

Converting Colors

XYZ(68.4244, 88.3555, 13.5949)

Have a look what the booklet for
XYZ(68.4244, 88.3555, 13.5949)
contains.

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Color

**XYZ(68.4205, 88.3540,
13.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF05
RGB	230, 255, 5
RGB Percent	90%, 100%, 2%
CMY	0.0980, 0.0000, 0.9802
CMYK	0.10, 0.00, 0.98, 0.00
HSL	66°, 100%, 51%
HSV	66°, 98%, 100%
XYZ	68.4205, 88.3540, 13.5915
YIQ	219.0250, 65.3500, -83.0500

Conversions

Conversions Part 2

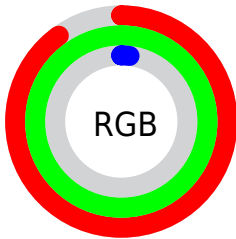
Format	Color
R _Y B	5, 255, 30
Decimal	15138565
CIE Lab	95.31, -31.67, 91.96
CIE LCh	95, 97.261, 109.004
Yxy	88.3540, 0.4016, 0.5186
Android (android.graphics.Color)	4293328645 (0xFFE6FF05)
YUV	219.0250, -105.5143, 9.6251
Hunter-Lab	93.9968, -34.5638, 57.2247

Details

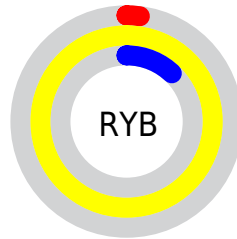
The XYZ color **68.4205, 88.3540, 13.5915** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.6414, 7.6061, 95.0934**, and the grayscale version is **68.0296, 71.5725, 77.9424**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **36.5563, 48.8232, 7.4971** is the 20% darker color. If you saturate the color by 10%, you get **68.2312, 88.2595, 13.4396**, and if you desaturate by 10%, it is **69.4587, 88.8644, 14.7566**.

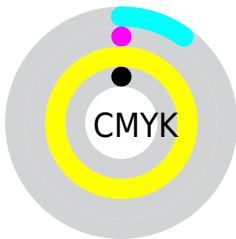
Distribution



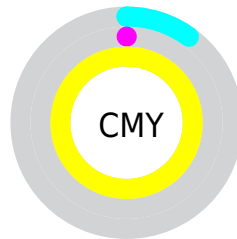
- Red (90%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (12%)



- Cyan (10%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4205, 88.3540, 13.5915 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 68.4205, 88.3540, 13.5915 by changing the saturation by 10% instead.

68.4205, 88.3540,
13.5915

68.4205, 88.3540,
13.5915

444.3378,
522.6618, 226.0139

50.5148, 66.6163,
7.7016

115.9921,
145.0499, 33.0691

36.0421, 48.7729,
3.8196

146.3887,
180.7769, 47.4938

24.6370, 34.4393,
1.5269

181.6798,
221.9357, 65.6006

15.9341, 23.2313,
0.2378

222.2305,
268.9108, 87.8079

9.5681, 14.7644,
0.0000

268.4063,
322.0866, 114.5344

5.1736, 8.6542,
0.0000

320.5726,

2.3853, 4.5163,

381.8474, 146.1985

0.0000

379.0946,
448.5777, 183.2188

■ 0.8378, 1.9664,
0.0000

■ 0.0000, 0.5878,
0.0000

■ 68.4205, 88.3540,
13.5915

■ 68.4205, 88.3540,
13.5915

■ 68.2312, 88.2595,
13.4396

■ 69.4587, 88.8644,
14.7566

■ 70.7688, 89.4851,
17.2891

■ 72.4083, 90.2389,
21.4930

■ 74.4195, 91.1429,
27.5914

■ 76.8385, 92.2113,
35.7733

■ 79.6968, 93.4569,
46.2050

■ 83.0229, 94.8910,
59.0358

■ 86.8427, 96.5241,
74.4024

■ 91.1804, 98.3656,
92.4311

Harmonies

Analogous

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



94.1003, 88.3540, 12.2071



68.4205, 88.3540, 13.5915



51.0280, 88.3540, 28.6168

Triad

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



68.4205, 88.3540, 13.5915



54.7327, 88.3540, 254.2092



144.7502, 88.3540, 126.8836

Complementary

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



68.4205, 88.3540, 13.5915



18.6414, 7.6061, 95.0934

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.



128.7233, 88.3540, 227.5871



68.4205, 88.3540, 13.5915



74.6086, 88.3540, 323.0580

Square

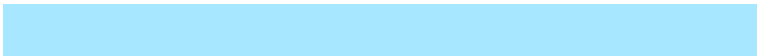
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4205, 88.3540, 13.5915



44.3539, 88.3540, 152.1256



101.7309, 88.3540, 311.3458



142.1123, 88.3540, 56.0006

Rectangle

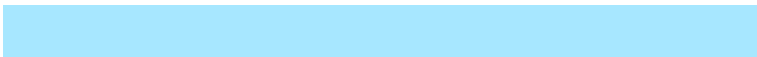
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4205, 88.3540, 13.5915



44.7517, 88.3540, 52.7364



101.7309, 88.3540, 311.3458



141.2521, 88.3540, 158.7007

Sweetspot

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



68.4204, 88.3539, 13.5926



82.6766, 94.7423, 57.6725



41.7328, 22.2015, 2.2305



17.3842, 20.1445, 11.1304



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.



68.4204, 88.3539, 13.5926



68.2312, 88.2595, 13.4396



41.6162, 74.5358, 12.3382



19.3716, 20.9930, 19.1754



35.7252, 46.1551, 7.0259



3.5281, 4.5195, 0.6864

Inverse Universe

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



18.6414, 7.6061, 95.0934



18.4635, 7.4332, 95.0694



31.6255, 14.2996, 95.7010



17.1715, 17.4646, 22.7159



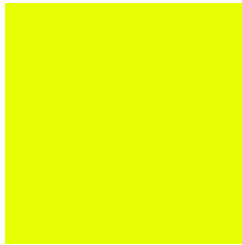
9.7026, 3.9124, 49.6784



0.9981, 0.4085, 4.8395

Previews

White Background



This preview shows how the XYZ color 68.4205, 88.3540, 13.5915 looks on a white background.

Color Contrast Check

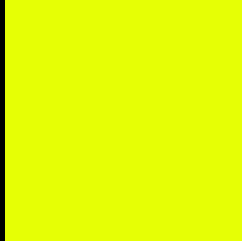
Large Text (above 18pt) WCAG AA × Fail

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 68.4205, 88.3540, 13.5915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

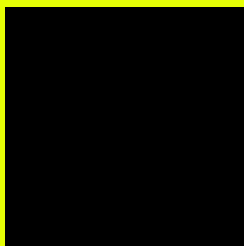
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4205, 88.3540, 13.5915

Background



This preview shows how black text looks on a background with the XYZ color 68.4205, 88.3540, 13.5915.

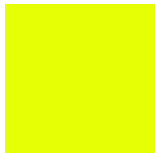


This preview shows how white text looks on a background with the XYZ color 68.4205, 88.3540,

Color Blindness Simulation

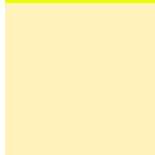
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



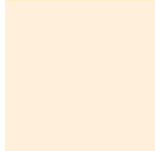
Original Color

68.4205, 88.3540, 13.5915



Protanopia

81.5582, 87.7158, 59.0866



Deuteranopia

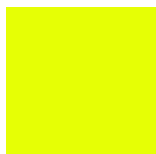
84.8927, 88.1075, 79.5500



Tritanopia

87.0456, 87.7448, 106.9564

Trichromacy



Original Color

68.4205, 88.3540, 13.5915



Protanomaly

74.3520, 86.8604, 30.6163



Deuteranomaly

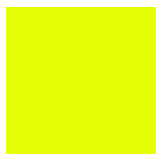
75.4662, 86.8207, 37.9799



Tritanomaly

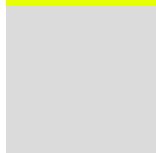
75.3272, 86.0825, 47.7674

Monochromacy



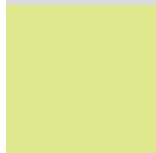
Original Color

68.4205, 88.3540, 13.5915



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.0958, 75.3243, 36.3601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4205, 88.3540, 13.5915 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 5) }
```

Border

The CSS property to change the border of an element to XYZ 68.4205, 88.3540, 13.5915 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, 5) }
```


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

```
.border{ border-color:rgb(230, 255, 5) }
```

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, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4205, 88.3540, 13.5915 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, 5) }
```

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

```
.background{ background-color: rgb(230,  
255, 5) }
```

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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