

Converting Colors

XYZ(68.9523, 88.2802, 29.3261)

Have a look what the booklet for
XYZ(68.9523, 88.2802, 29.3261)
contains.

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Color

**XYZ(68.9215, 88.2645,
29.3238)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF72
RGB	222, 255, 114
RGB Percent	87%, 100%, 45%
CMY	0.1294, 0.0000, 0.5529
CMYK	0.13, 0.00, 0.55, 0.00
HSL	74°, 100%, 72%
HSV	74°, 55%, 100%
XYZ	68.9215, 88.2645, 29.3238
YIQ	229.0590, 25.5930, -50.8470

Conversions

Conversions Part 2

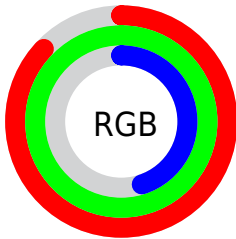
Format	Color
RYB	114, 255, 147
Decimal	14614386
CIELab	95.27, -30.42, 62.69
CIElCh	95, 69.682, 115.883
Yxy	88.2645, 0.3695, 0.4732
Android (android.graphics.Color)	4292804466 (0xFFDEFF72)
YUV	229.0590, -56.7241, -6.1907
Hunter-Lab	93.9492, -33.4628, 47.2586

Details

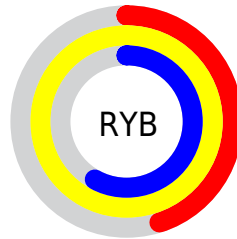
The XYZ color **68.9215, 88.2645, 29.3238** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.1011, 25.4590, 97.6191**, and the grayscale version is **74.9102, 78.8114, 85.8256**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **36.2676, 48.5862, 11.4695** is the 20% darker color. If you saturate the color by 10%, you get **65.8706, 86.8367, 22.6318**, and if you desaturate by 10%, it is **72.4419, 89.8876, 38.1516**.

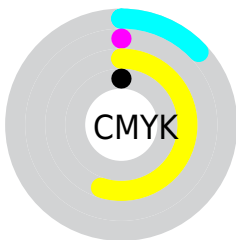
Distribution



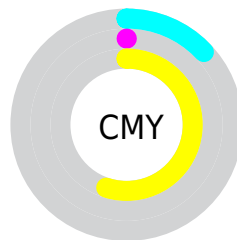
- Red (87%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (58%)



- Cyan (13%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9215, 88.2645, 29.3238 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 68.9215, 88.2645, 29.3238 by changing the saturation by 10% instead.


 68.9215, 88.2645,
29.3238

 68.9215, 88.2645,
29.3238


446.0798,
522.3690, 312.8483


 50.9242, 66.5421,
19.0782


 116.7041,
144.9253, 59.6395

 36.3691, 48.7126,
11.5494


 147.2202,
180.6326, 80.5466

 24.8908, 34.3916,
6.3189

 182.6398,
221.7703, 105.8447

 16.1240, 23.1946,
2.9680

223.3284,
268.7228, 135.9523

 9.7034, 14.7373,
1.0783

269.6514,
321.8746, 171.2879

 5.2635, 8.6352,
0.0000

321.9740,

 2.4390, 4.5040,

381.6099, 212.2701

0.0000

380.6617,
448.3133, 259.3174

■ 0.8646, 1.9593,
0.0000

■ 0.0000, 0.5837,
0.0000

■ 68.9215, 88.2645,
29.3238

■ 68.9215, 88.2645,
29.3238

■ 65.8706, 86.8367,
22.6318

■ 72.4419, 89.8876,
38.1516

■ 63.2537, 85.5899,
17.8899


■ 76.4627, 91.7184,
49.2727


■ 61.0298, 84.5076,
14.8870

■ 81.0123, 93.7684,
62.8339

■ 59.1485, 83.5696,
13.3610

■ 86.1167, 96.0479,
78.9688

 58.3477, 83.1644,
12.9771

 91.8000, 98.5669,
97.8013

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.



86.5451, 88.2645, 24.9254



68.9215, 88.2645, 29.3238



57.1157, 88.2645, 48.5226

Triad

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



68.9215, 88.2645, 29.3238



65.0099, 88.2645, 211.4862



125.9040, 88.2645, 103.8203

Complementary

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



68.9215, 88.2645, 29.3238



36.1011, 25.4590, 97.6191

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.



117.9523, 88.2645, 167.6185



68.9215, 88.2645, 29.3238



81.2951, 88.2645, 242.9645

Square

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



68.9215, 88.2645, 29.3238



55.1082, 88.2645, 149.4512



100.8888, 88.2645, 224.4612



121.2774, 88.2645, 57.2557

Rectangle

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



68.9215, 88.2645, 29.3238



53.1935, 88.2645, 72.7599



100.8888, 88.2645, 224.4612



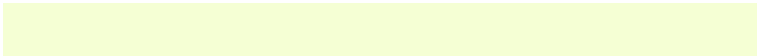
124.5849, 88.2645, 123.9753

Sweetspot

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



68.9217, 88.2646, 29.3250



85.2048, 95.6420, 76.0261



54.6962, 43.3123, 21.3981



18.0123, 20.3710, 15.5530



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.



68.9217, 88.2646, 29.3250



65.6717, 86.7427, 22.2345



51.6722, 79.3722, 28.5178



19.1212, 20.8639, 19.1637



30.6264, 43.5265, 6.7873



3.0777, 4.2874, 0.6653

Inverse Universe

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



36.1011, 25.4590, 97.6191



30.0515, 18.4304, 96.5813



52.8024, 34.0688, 98.4007



17.4009, 17.5829, 22.7267



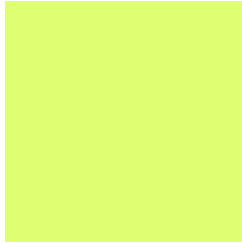
10.5033, 4.3251, 49.7158



1.1140, 0.4682, 4.8449

Previews

White Background



This preview shows how the XYZ color 68.9215, 88.2645, 29.3238 looks on a white background.

Color Contrast Check

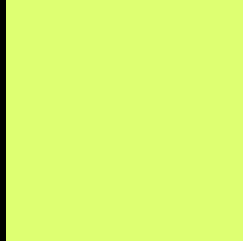
Large Text (above 18pt) WCAG AA × Fail

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 68.9215, 88.2645, 29.3238 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 68.9215, 88.2645, 29.3238

Background



This preview shows how black text looks on a background with the XYZ color 68.9215, 88.2645, 29.3238.



This preview shows how white text looks on a background with the XYZ color 68.9215, 88.2645,

Color Blindness Simulation

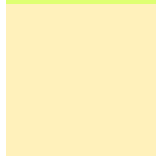
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



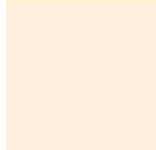
Original Color

68.9215, 88.2645, 29.3238



Protanopia

81.6649, 87.7585, 59.6486



Deuteranopia

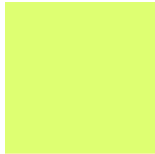
84.7328, 87.5764, 80.1482



Tritanopia

84.8067, 87.8909, 107.1026

Trichromacy



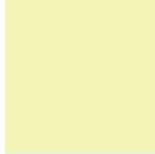
Original Color

68.9215, 88.2645, 29.3238



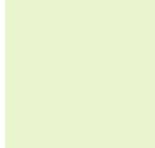
Protanomaly

76.2631, 87.5043, 46.1282



Deuteranomaly

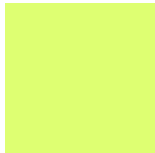
77.6533, 87.0922, 56.4338



Tritanomaly

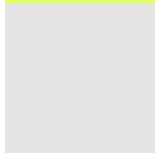
77.1558, 86.9881, 69.8506

Monochromacy



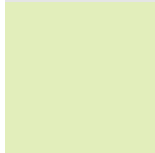
Original Color

68.9215, 88.2645, 29.3238



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.9082, 80.9057, 58.8928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9215, 88.2645, 29.3238 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(222, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 114)  
}
```

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(222, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 68.9215, 88.2645, 29.3238 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(222, 255, 114) }
```


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

```
.border{ border-color:rgb(222, 255, 114) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9215, 88.2645, 29.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 114) }
```

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

```
.background{ background-color: rgb(222,  
255, 114) }
```

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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