

Converting Colors

XYZ(35.5291, 68.8589, 18.6233)

Have a look what the booklet for
XYZ(35.5291, 68.8589, 18.6233)
contains.

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Color

**XYZ(35.5608, 68.9213,
18.6366)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00FA4E |
| RGB | 0, 250, 78 |
| RGB Percent | 0%, 98%, 31% |
| CMY | 1.0000, 0.0196, 0.6941 |
| CMYK | 1.00, 0.00, 0.69, 0.02 |
| HSL | 139°, 100%, 49% |
| HSV | 139°, 100%, 98% |
| XYZ | 35.5608, 68.9213, 18.6366 |
| YIQ | 155.6420, -93.7880, -106.4920 |

Conversions

Conversions Part 2

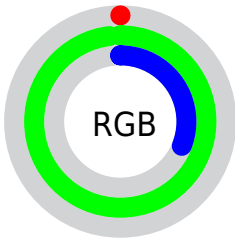
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 191, 250 |
| Decimal | 64078 |
| CIELab | 86.47, -81.37, 65.62 |
| CIELCh | 86, 104.535, 141.118 |
| Yxy | 68.9213, 0.2888, 0.5598 |
| Android (android.graphics.Color) | 4278254158 (0xFF00FA4E) |
| YUV | 155.6420, -38.2775, -136.4980 |
| Hunter-Lab | 83.0189, -68.8232, 44.8034 |

Details

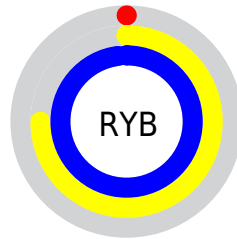
The XYZ color **35.5608, 68.9213, 18.6366** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.8732, 23.3039, 41.0616**, and the grayscale version is **31.6380, 33.2856, 36.2480**.

A 20% lighter version of the original color is **47.3356, 76.9823, 35.2859**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **35.5621, 68.9240, 18.6369**, and if you desaturate by 10%, it is **36.6631, 69.4107, 22.3410**.

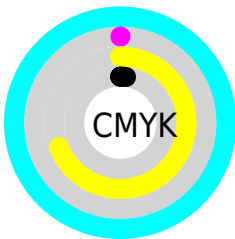
Distribution



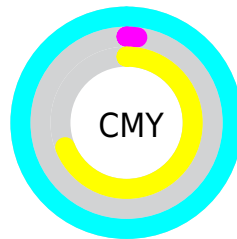
- Red (0%)
- Green (98%)
- Blue (31%)



- Red (0%)
- Yellow (75%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5608, 68.9213, 18.6366 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 35.5608, 68.9213, 18.6366 by changing the saturation by 10% instead.

35.5608, 68.9213,
18.6366

35.5608, 68.9213,
18.6366

318.5016,
456.7534, 256.7907

24.2637, 50.6476,
11.2338

67.6819, 117.6692,
41.9476

15.6552, 35.9282,
6.1082

89.2367, 148.9121,
58.6930

9.3698, 24.3788,
2.8411

114.9414,
185.2470, 79.3896

5.0422, 15.6148,
1.0141

145.1615,
227.0581, 104.4560

2.3070, 9.2520,
0.0000

180.2621,
274.7299, 134.3108

0.7983, 4.9059,
0.0000

220.6088,

0.0000, 2.1922,

328.6468, 169.3725

0.0000

266.5669,
389.1932, 210.0596

■ 0.0000, 0.7157,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5608, 68.9213,
18.6366

■ 35.5608, 68.9213,
18.6366

■ 35.5621, 68.9240,
18.6369

■ 36.6631, 69.4107,
22.3410

■ 38.4502, 70.2312,
26.9777

■ 41.0924, 71.4714,
32.6107

■ 44.6952, 73.1845,
39.2951

■ 49.3478, 75.4154,
47.0817

■ 55.1289, 78.2039,
56.0178

■ 62.1094, 81.5855,
66.1481

■ 70.3542, 85.5928,
77.5147

■ 79.9235, 90.2561,
90.1577

Harmonies

Analogous

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



50.1378, 68.9213, 6.7486



35.5608, 68.9213, 18.6366



29.4603, 68.9213, 56.2965

Triad

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



35.5608, 68.9213, 18.6366



58.5848, 68.9213, 298.5985



119.1834, 68.9213, 36.5538

Complementary

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



35.5608, 68.9213, 18.6366



46.8732, 23.3039, 41.0616

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.



123.0485, 68.9213, 97.5492



35.5608, 68.9213, 18.6366



83.7356, 68.9213, 280.5236

Square

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



35.5608, 68.9213, 18.6366



40.4328, 68.9213, 233.8396



108.7968, 68.9213, 193.5700



99.2586, 68.9213, 11.7765

Rectangle

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



35.5608, 68.9213, 18.6366



29.6457, 68.9213, 103.7723



108.7968, 68.9213, 193.5700



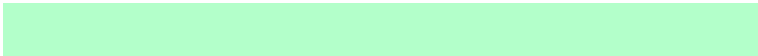
122.5694, 68.9213, 52.1763

Sweetspot

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



35.5624, 68.9241, 18.6382



64.9393, 85.3259, 69.1523



51.8676, 77.4886, 12.2234



13.2068, 17.9272, 13.8114



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.



35.5624, 68.9241, 18.6382



37.1917, 72.0927, 19.4591



44.6131, 72.5444, 66.2980



17.2404, 19.3984, 19.4666



18.9192, 36.5807, 10.1840



1.7978, 3.4062, 1.1830

Inverse Universe

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



46.8732, 23.3039, 41.0616



49.0214, 24.3726, 42.9063



40.0019, 20.5554, 4.8778



17.7490, 17.4270, 20.5340



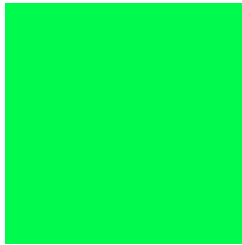
24.9296, 12.3876, 22.1355



2.3566, 1.1664, 2.3014

Previews

White Background



This preview shows how the XYZ color 35.5608, 68.9213, 18.6366 looks on a white background.

Color Contrast Check

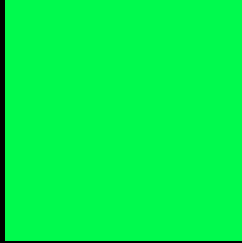
Large Text (above 18pt) WCAG AA × Fail

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 35.5608, 68.9213, 18.6366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

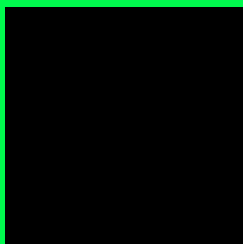
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5608, 68.9213, 18.6366

Background



This preview shows how black text looks on a background with the XYZ color 35.5608, 68.9213, 18.6366.

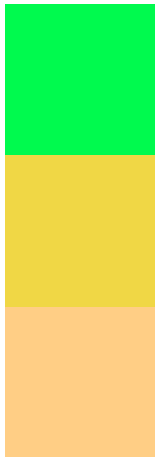


This preview shows how white text looks on a background with the XYZ color 35.5608, 68.9213,

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

35.5608, 68.9213, 18.6366

Protanopia

61.3098, 67.5558, 15.4384

Deuteranopia

67.5449, 67.0961, 31.5811



Tritanopia

52.6319, 68.7623, 103.4270

Trichromacy



Original Color

35.5608, 68.9213, 18.6366



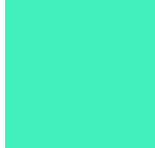
Protanomaly

42.0500, 62.7270, 16.0221



Deuteranomaly

44.0022, 61.1162, 25.1002



Tritanomaly

42.5254, 67.1181, 58.8579

Monochromacy



Original Color

35.5608, 68.9213, 18.6366



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.4553, 41.0381, 26.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5608, 68.9213, 18.6366 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(0, 250, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 78)  
}
```

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(0, 250, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 78) }
```

Border

The CSS property to change the border of an element to XYZ 35.5608, 68.9213, 18.6366 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(0, 250, 78) }
```


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

```
.border{ border-color:rgb(0, 250, 78) }
```

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

Here you see how a box with a 4 pixel rgb(0, 250, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.5608, 68.9213, 18.6366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 78) }
```

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

```
.background{ background-color: rgb(0, 250,  
78) }
```

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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