

Converting Colors

XYZ(35.5562, 68.6070, 19.5762)

Have a look what the booklet for
XYZ(35.5562, 68.6070, 19.5762)
contains.

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Color

**XYZ(35.4370, 68.3759,
19.5138)**

Conversions

Conversions Part 1

Format	Color
Hex	00F953
RGB	0, 249, 83
RGB Percent	0%, 98%, 33%
CMY	1.0000, 0.0235, 0.6745
CMYK	1.00, 0.00, 0.67, 0.02
HSL	140°, 100%, 49%
HSV	140°, 100%, 98%
XYZ	35.4370, 68.3759, 19.5138
YIQ	155.6250, -95.1180, -104.4140

Conversions

Conversions Part 2

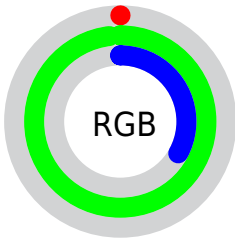
Format	Color
RYB	0, 187, 249
Decimal	63827
CIELab	86.19, -80.62, 63.44
CIELCh	86, 102.588, 141.804
Yxy	68.3759, 0.2873, 0.5544
Android (android.graphics.Color)	4278253907 (0xFF00F953)
YUV	155.6250, -35.8041, -136.4831
Hunter-Lab	82.6897, -68.2101, 43.8911

Details

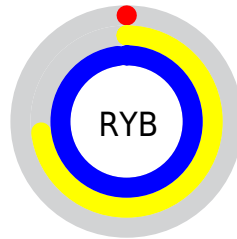
The XYZ color **35.4370, 68.3759, 19.5138** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **45.9517, 22.8939, 38.0749**, and the grayscale version is **31.6194, 33.2660, 36.2267**.

A 20% lighter version of the original color is **47.6227, 77.0971, 36.7973**, and **18.7243, 37.2990, 6.7028** is the 20% darker color. If you saturate the color by 10%, you get **35.4385, 68.3786, 19.5148**, and if you desaturate by 10%, it is **36.5568, 68.8720, 23.3237**.

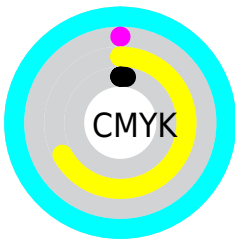
Distribution



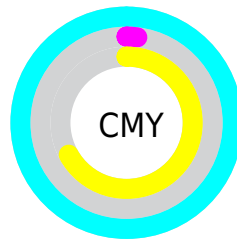
- Red (0%)
- Green (98%)
- Blue (33%)



- Red (0%)
- Yellow (73%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4370, 68.3759, 19.5138 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 35.4370, 68.3759, 19.5138 by changing the saturation by 10% instead.


 35.4370, 68.3759,
19.5138


 35.4370, 68.3759,
19.5138


317.9674,
454.8267, 261.7873


 24.1678, 50.2036,
11.8616


 67.4918, 116.8897,
43.4487


 15.5835, 35.5752,
6.5281


 89.0080, 148.0001,
60.5685


 9.3189, 24.1063,
3.0948


 114.6707,
184.1919, 81.6812

 5.0085, 15.4125,
1.1433

 144.8451,
225.8495, 107.2053

 2.2871, 9.1094,
0.0000

 179.8966,
273.3574, 137.5595

 0.7880, 4.8126,
0.0000

220.1906,

 0.0000, 2.1377,

327.1000, 173.1621

0.0000

266.0924,
387.4616, 214.4319

■ 0.0000, 0.6857,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4370, 68.3759,
19.5138

■ 35.4370, 68.3759,
19.5138

■ 35.4385, 68.3786,
19.5148

■ 36.5568, 68.8720,
23.3237

■ 38.3472, 69.6930,
28.0169

■ 40.9759, 70.9262,
33.6506

■ 44.5464, 72.6239,
40.2741

■ 49.1461, 74.8304,
47.9329

■ 54.8522, 77.5845,
56.6696

■ 61.7340, 80.9212,
66.5244

■ 69.8551, 84.8725,
77.5352

■ 79.2744, 89.4680,
89.7382

Harmonies

Analogous

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



49.5406, 68.3759, 7.2190



35.4370, 68.3759, 19.5138



29.6101, 68.3759, 57.4068

Triad

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



35.4370, 68.3759, 19.5138



58.7284, 68.3759, 291.5895



116.9211, 68.3759, 35.8409

Complementary

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



35.4370, 68.3759, 19.5138



45.9517, 22.8939, 38.0749

Split Complementary

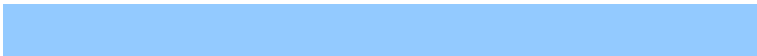
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.0887, 68.3759, 94.5704



35.4370, 68.3759, 19.5138



83.3558, 68.3759, 272.2200

Square

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



35.4370, 68.3759, 19.5138



40.7610, 68.3759, 230.5472



107.6046, 68.3759, 187.2874



97.3046, 68.3759, 11.8815

Rectangle

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



35.4370, 68.3759, 19.5138



29.9050, 68.3759, 104.3455



107.6046, 68.3759, 187.2874



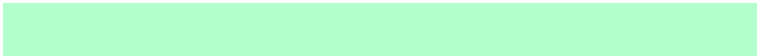
120.3386, 68.3759, 50.8907

Sweetspot

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



35.4386, 68.3787, 19.5154



65.1342, 85.4039, 70.1787



49.6038, 75.8615, 12.0285



13.2521, 17.9454, 14.0502



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.



35.4386, 68.3787, 19.5154



37.3997, 72.1759, 20.5548



45.2013, 72.2838, 70.9251



17.2560, 19.4047, 19.5487



19.0276, 36.6240, 10.7544



1.8093, 3.4108, 1.2437

Inverse Universe

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



45.9517, 22.8939, 38.0749



48.4956, 24.1622, 40.1373



39.4776, 20.3043, 3.9827



17.7327, 17.4204, 20.4480



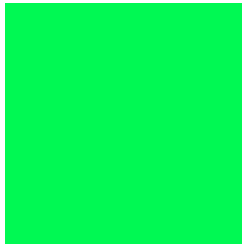
24.6649, 12.2817, 20.7413



2.3336, 1.1572, 2.1799

Previews

White Background



This preview shows how the XYZ color 35.4370, 68.3759, 19.5138 looks on a white background.

Color Contrast Check

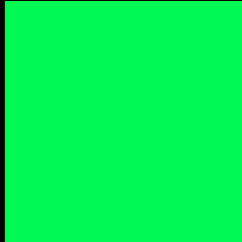
Large Text (above 18pt) WCAG AA × Fail

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 35.4370, 68.3759, 19.5138 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 35.4370, 68.3759, 19.5138

Background



This preview shows how black text looks on a background with the XYZ color 35.4370, 68.3759, 19.5138.

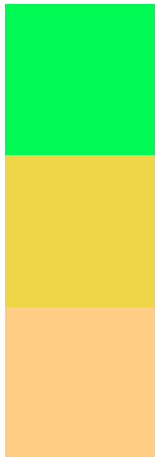


This preview shows how white text looks on a background with the XYZ color 35.4370, 68.3759,

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

35.4370, 68.3759, 19.5138

Protanopia

60.8458, 66.9249, 16.0142

Deuteranopia

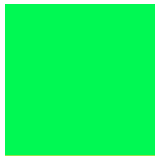
67.1681, 66.5613, 30.7802



Tritanopia

52.0764, 68.0728, 102.4901

Trichromacy



Original Color

35.4370, 68.3759, 19.5138



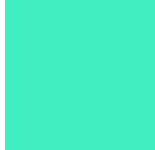
Protanomaly

41.7575, 62.1494, 16.8164



Deuteranomaly

43.7940, 60.6092, 25.3101



Tritanomaly

42.3848, 66.5846, 59.9084

Monochromacy



Original Color

35.4370, 68.3759, 19.5138



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.5215, 41.0645, 27.2446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4370, 68.3759, 19.5138 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, 249, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 83)  
}
```

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, 249, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 83) }
```

Border

The CSS property to change the border of an element to XYZ 35.4370, 68.3759, 19.5138 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, 249, 83) }
```


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

```
.border{ border-color:rgb(0, 249, 83) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4370, 68.3759, 19.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 83) }
```

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

```
.background{ background-color: rgb(0, 249,  
83) }
```

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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