

Converting Colors

XYZ(35.8072, 68.4409, 21.5071)

Have a look what the booklet for
XYZ(35.8072, 68.4409, 21.5071)
contains.

XYZ(35.8450, 68.5434, 21.4662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8450, 68.5434,
21.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	03F95C
RGB	3, 249, 92
RGB Percent	1%, 98%, 36%
CMY	0.9882, 0.0235, 0.6392
CMYK	0.99, 0.00, 0.63, 0.02
HSL	142°, 98%, 49%
HSV	142°, 99%, 98%
XYZ	35.8450, 68.5434, 21.4662
YIQ	157.5480, -96.2190, -100.9790

Conversions

Conversions Part 2

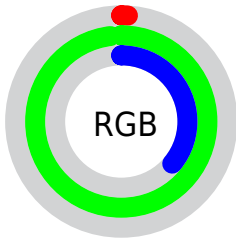
Format	Color
R _Y B	3, 184, 249
Decimal	260444
CIE Lab	86.28, -79.61, 59.94
CIE LCh	86, 99.649, 143.023
Yxy	68.5434, 0.2848, 0.5446
Android (android.graphics.Color)	4278450524 (0xFF03F95C)
YUV	157.5480, -32.3152, -135.5386
Hunter-Lab	82.7909, -67.6011, 42.5808

Details

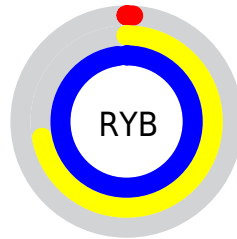
The XYZ color **35.8450, 68.5434, 21.4662** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **45.4470, 22.7442, 35.2565**, and the grayscale version is **32.4699, 34.1609, 37.2012**.

A 20% lighter version of the original color is **48.2289, 77.3396, 39.9899**, and **18.9053, 37.3714, 7.6558** is the 20% darker color. If you saturate the color by 10%, you get **35.7260, 68.4936, 21.0293**, and if you desaturate by 10%, it is **37.0547, 69.0801, 25.5394**.

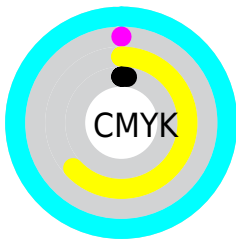
Distribution



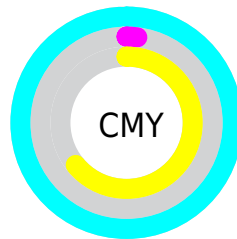
- Red (1%)
- Green (98%)
- Blue (36%)



- Red (1%)
- Yellow (72%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (63%)
- Black (2%)





- Cyan (99%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8450, 68.5434, 21.4662 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 35.8450, 68.5434, 21.4662 by changing the saturation by 10% instead.


 35.8450, 68.5434,
21.4662


 35.8450, 68.5434,
21.4662


319.7256,
455.4189, 272.6078


 24.4841, 50.3399,
13.2707


 68.1182, 117.1292,
46.7530


 15.8198, 35.6836,
7.4823


 89.7612, 148.2803,
64.6812


 9.4867, 24.1899,
3.6825


 115.5622,
184.5161, 86.6909

 5.1196, 15.4746,
1.4528

 145.8866,
226.2209, 113.2004

 2.3531, 9.1531,
0.1824

 181.0998,
273.7792, 144.6282

 0.8216, 4.8412,
0.0000

221.5672,

 0.0000, 2.1544,

327.5754, 181.3931

0.0000

267.6540,
387.9938, 223.9134

■ 0.0000, 0.6950,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8450, 68.5434,
21.4662

■ 35.8450, 68.5434,
21.4662

■ 35.7260, 68.4936,
21.0293

■ 37.0547, 69.0801,
25.5394

■ 38.9600, 69.9557,
30.4482

■ 41.7054, 71.2456,
36.2414

■ 45.3907, 73.0005,
42.9614

■ 50.1009, 75.2634,
50.6475

■ 55.9111, 78.0724,
59.3369

■ 62.8889, 81.4615,
69.0646

■ 71.0965, 85.4622,
79.8638

■ 80.5915, 90.1034,
91.7663

Harmonies

Analogous

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



49.3527, 68.5434, 8.2494



35.8450, 68.5434, 21.4662



30.4003, 68.5434, 60.2945

Triad

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



35.8450, 68.5434, 21.4662



59.9282, 68.5434, 283.8309



114.8526, 68.5434, 35.2793

Complementary

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



35.8450, 68.5434, 21.4662



45.4470, 22.7442, 35.2565

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.



119.5738, 68.5434, 91.0796



35.8450, 68.5434, 21.4662



83.9991, 68.5434, 262.1366

Square

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



35.8450, 68.5434, 21.4662



42.0248, 68.5434, 228.2050



107.1981, 68.5434, 179.5324



95.4977, 68.5434, 12.3195

Rectangle

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



35.8450, 68.5434, 21.4662



30.8897, 68.5434, 106.9282



107.1981, 68.5434, 179.5324



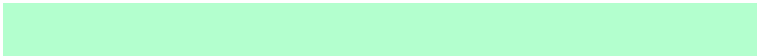
118.3648, 68.5434, 49.5974

Sweetspot

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



35.8466, 68.5462, 21.4678



65.3970, 85.5090, 71.5628



48.9785, 75.5372, 12.0851



13.3134, 17.9699, 14.3731



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.



35.8466, 68.5462, 21.4678



37.7029, 72.2971, 22.1510



45.8116, 72.5322, 73.9424



17.2769, 19.4130, 19.6585



19.1847, 36.6869, 11.5819



1.8256, 3.4174, 1.3296

Inverse Universe

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



45.4470, 22.7442, 35.2565



47.8282, 23.8953, 36.6229



39.4826, 20.3584, 3.8480



17.7110, 17.4117, 20.3336



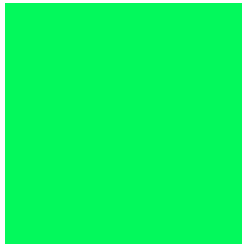
24.3284, 12.1471, 18.9696



2.3040, 1.1453, 2.0242

Previews

White Background



This preview shows how the XYZ color 35.8450, 68.5434, 21.4662 looks on a white background.

Color Contrast Check

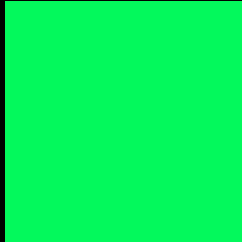
Large Text (above 18pt) WCAG AA × Fail

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 35.8450, 68.5434, 21.4662 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 35.8450, 68.5434, 21.4662

Background



This preview shows how black text looks on a background with the XYZ color 35.8450, 68.5434, 21.4662.

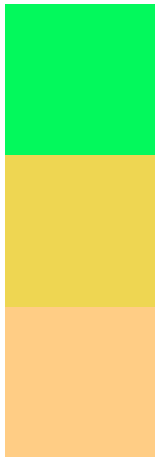


This preview shows how white text looks on a background with the XYZ color 35.8450, 68.5434,

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

35.8450, 68.5434, 21.4662

Protanopia

60.8295, 66.8795, 17.6856

Deuteranopia

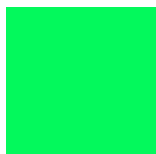
67.3050, 66.6161, 31.5011



Tritanopia

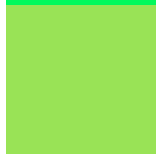
51.9651, 68.0154, 102.4849

Trichromacy



Original Color

35.8450, 68.5434, 21.4662



Protanomaly

42.2857, 62.3824, 18.6164



Deuteranomaly

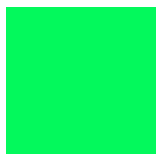
44.2307, 60.8074, 26.5453



Tritanomaly

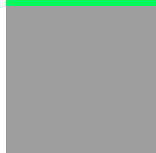
42.7841, 66.7519, 61.6684

Monochromacy



Original Color

35.8450, 68.5434, 21.4662



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.4134, 41.8076, 29.1264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8450, 68.5434, 21.4662 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(3, 249, 92)` looks like.

```
.text, #text, p{  
    color:rgb(3, 249, 92)  
}
```

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(3, 249, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 249, 92) }
```

Border

The CSS property to change the border of an element to XYZ 35.8450, 68.5434, 21.4662 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(3, 249, 92) }
```


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

```
.border{ border-color:rgb(3, 249, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 249, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 249, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 249, 92);  
box-shadow:4px 4px 4px 4px rgb(3, 249, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8450, 68.5434, 21.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 249, 92) }
```

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

```
.background{ background-color: rgb(3, 249,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor