

Converting Colors

XYZ(35.8777, 67.7398, 24.3356)

Have a look what the booklet for
XYZ(35.8777, 67.7398, 24.3356)
contains.

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Color

**XYZ(35.7595, 67.5210,
24.2448)**

Conversions

Conversions Part 1

Format	Color
Hex	00F768
RGB	0, 247, 104
RGB Percent	0%, 97%, 41%
CMY	0.9999, 0.0314, 0.5921
CMYK	1.00, 0.00, 0.58, 0.03
HSL	145°, 100%, 48%
HSV	145°, 100%, 97%
XYZ	35.7595, 67.5210, 24.2448
YIQ	156.8450, -101.3090, -96.8370

Conversions

Conversions Part 2

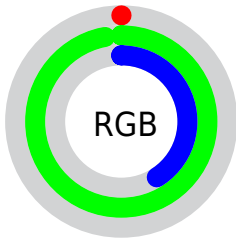
Format	Color
RYB	0, 174, 247
Decimal	63336
CIELab	85.77, -77.69, 54.24
CIElCh	86, 94.751, 145.081
Yxy	67.5210, 0.2804, 0.5295
Android (android.graphics.Color)	4278253416 (0xFF00F768)
YUV	156.8450, -26.0526, -137.5531
Hunter-Lab	82.1712, -66.1194, 40.0262

Details

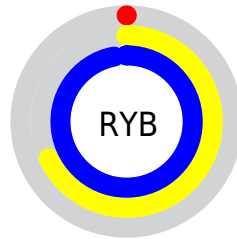
The XYZ color **35.7595, 67.5210, 24.2448** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **43.3186, 21.7589, 27.9100**, and the grayscale version is **32.1274, 33.8006, 36.8088**.

A 20% lighter version of the original color is **48.9574, 77.6006, 45.1990**, and **18.7520, 36.6169, 8.9852** is the 20% darker color. If you saturate the color by 10%, you get **35.7605, 67.5235, 24.2438**, and if you desaturate by 10%, it is **36.9442, 68.0425, 28.4211**.

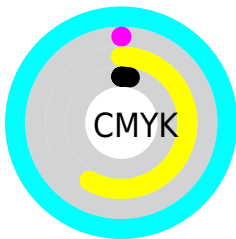
Distribution



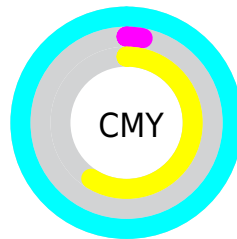
- Red (0%)
- Green (97%)
- Blue (41%)



- Red (0%)
- Yellow (68%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7595, 67.5210, 24.2448 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 35.7595, 67.5210, 24.2448 by changing the saturation by 10% instead.


 35.7595, 67.5210,
24.2448


 35.7595, 67.5210,
24.2448


319.3577,
451.7970, 287.3821


 24.4178, 49.5081,
15.3014


 67.9870, 115.6666,
51.3782


 15.7702, 35.0227,
8.8822


 89.6035, 146.5682,
70.4053


 9.4515, 23.6804,
4.5687


 115.3756,
182.5348, 93.6308

 5.0963, 15.0967,
1.9422

 145.6686,
223.9508, 121.4732

 2.3392, 8.8873,
0.5194

 180.8480,
271.2007, 154.3509

 0.8146, 4.6677,
0.0000

221.2791,

 0.0000, 2.0537,

324.6687, 192.6826

0.0000

267.3272,
384.7394, 236.8868

■ 0.0000, 0.6384,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7595, 67.5210,
24.2448

■ 35.7595, 67.5210,
24.2448

■ 35.7605, 67.5235,
24.2438

■ 36.9442, 68.0425,
28.4211

■ 38.7553, 68.8701,
33.2985

■ 41.3543, 70.0883,
38.9143

■ 44.8392, 71.7471,
45.2997

■ 49.2927, 73.8886,
52.4839

■ 54.7879, 76.5498,
60.4942

■ 61.3902, 79.7641,
69.3568

■ 69.1595, 83.5618,
79.0965

■ 78.1514, 87.9711,
89.7369

Harmonies

Analogous

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



48.1126, 67.5210, 9.8043



35.7595, 67.5210, 24.2448



31.0196, 67.5210, 63.7718

Triad

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



35.7595, 67.5210, 24.2448



60.6764, 67.5210, 267.4795



109.6926, 67.5210, 33.7062

Complementary

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



35.7595, 67.5210, 24.2448



43.3186, 21.7589, 27.9100

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.



115.1680, 67.5210, 84.2117



35.7595, 67.5210, 24.2448



83.4692, 67.5210, 242.7547

Square

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



35.7595, 67.5210, 24.2448



43.1933, 67.5210, 220.8059



104.6734, 67.5210, 164.9419



91.0469, 67.5210, 12.7189

Rectangle

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



35.7595, 67.5210, 24.2448



31.8142, 67.5210, 109.0661



104.6734, 67.5210, 164.9419



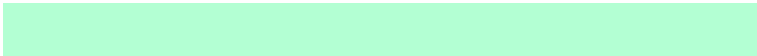
113.2893, 67.5210, 46.6799

Sweetspot

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



35.7611, 67.5238, 24.2463



65.9564, 85.7328, 74.5082



44.7799, 72.4618, 11.6268



13.4444, 18.0223, 15.0627



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.



35.7611, 67.5238, 24.2463



38.4329, 72.5891, 25.9952



47.0477, 72.0384, 83.6805



16.5717, 18.5878, 19.0287



18.9791, 35.7365, 13.1757



1.7182, 3.1609, 1.4220

Inverse Universe

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



43.3186, 21.7589, 27.9100



46.5568, 23.3867, 29.9277



38.4911, 19.8279, 2.4886



16.9014, 16.6434, 19.2275



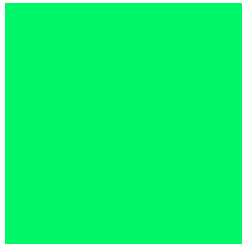
22.9811, 11.5359, 15.1405



2.0711, 1.0344, 1.6006

Previews

White Background



This preview shows how the XYZ color 35.7595, 67.5210, 24.2448 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 35.7595, 67.5210, 24.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

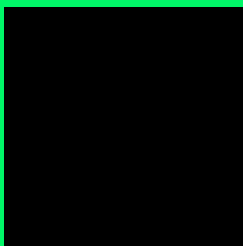
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

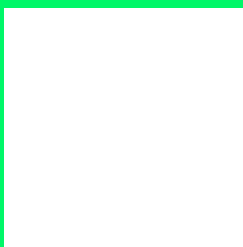
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7595, 67.5210, 24.2448

Background



This preview shows how black text looks on a background with the XYZ color 35.7595, 67.5210, 24.2448.

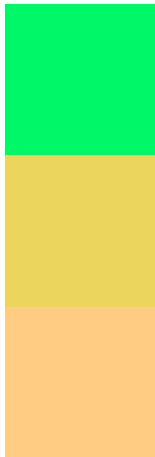


This preview shows how white text looks on a background with the XYZ color 35.7595, 67.5210,

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

35.7595, 67.5210, 24.2448

Protanopia

60.3621, 66.2117, 19.9546

Deuteranopia

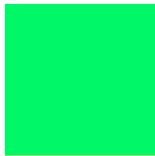
66.9296, 66.0844, 30.7007



Tritanopia

51.1990, 67.2196, 101.5430

Trichromacy



Original Color

35.7595, 67.5210, 24.2448



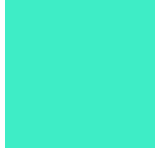
Protanomaly

41.6606, 61.1975, 20.9258



Deuteranomaly

43.9447, 60.2483, 27.4021



Tritanomaly

42.4638, 65.6697, 63.8635

Monochromacy



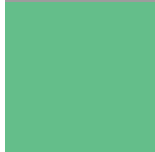
Original Color

35.7595, 67.5210, 24.2448



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.2564, 41.3712, 30.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7595, 67.5210, 24.2448 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, 247, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 104)  
}
```

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, 247, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 104) }
```

Border

The CSS property to change the border of an element to XYZ 35.7595, 67.5210, 24.2448 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, 247, 104) }
```


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

```
.border{ border-color:rgb(0, 247, 104) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7595, 67.5210, 24.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 104) }
```

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

```
.background{ background-color: rgb(0, 247,  
104) }
```

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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