

Converting Colors

XYZ(35.9350, 67.7626, 24.6407)

Have a look what the booklet for
XYZ(35.9350, 67.7626, 24.6407)
contains.

XYZ(35.8106, 67.5414, 24.5140)	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(35.8106, 67.5414,
24.5140)**

Conversions

Conversions Part 1

Format	Color
Hex	00F769
RGB	0, 247, 105
RGB Percent	0%, 97%, 41%
CMY	0.9999, 0.0314, 0.5882
CMYK	1.00, 0.00, 0.57, 0.03
HSL	146°, 100%, 48%
HSV	146°, 100%, 97%
XYZ	35.8106, 67.5414, 24.5140
YIQ	156.9590, -101.6300, -96.5260

Conversions

Conversions Part 2

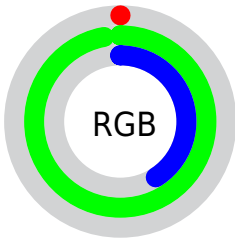
Format	Color
RYB	0, 173, 247
Decimal	63337
CIELab	85.78, -77.56, 53.81
CIELCh	86, 94.401, 145.250
Yxy	67.5414, 0.2801, 0.5282
Android (android.graphics.Color)	4278253417 (0xFF00F769)
YUV	156.9590, -25.6158, -137.6530
Hunter-Lab	82.1836, -66.0418, 39.8433

Details

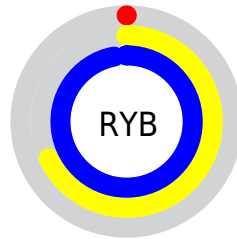
The XYZ color **35.8106, 67.5414, 24.5140** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **43.2431, 21.7288, 27.5127**, and the grayscale version is **32.1770, 33.8527, 36.8656**.

A 20% lighter version of the original color is **49.0446, 77.6355, 45.6579**, and **18.7951, 36.6342, 9.2125** is the 20% darker color. If you saturate the color by 10%, you get **35.8115, 67.5438, 24.5129**, and if you desaturate by 10%, it is **36.9981, 68.0640, 28.7051**.

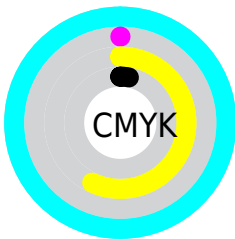
Distribution



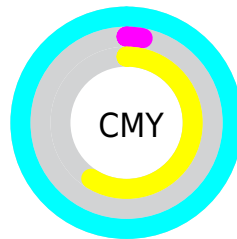
- Red (0%)
- Green (97%)
- Blue (41%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (3%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8106, 67.5414, 24.5140 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 35.8106, 67.5414, 24.5140 by changing the saturation by 10% instead.


 35.8106, 67.5414,
24.5140


 35.8106, 67.5414,
24.5140


319.5777,
451.8695, 288.7787

 24.4574, 49.5247,
15.4996


 68.0654, 115.6958,
51.8220


 15.7998, 35.0359,
9.0203

 89.6977, 146.6024,
70.9527


 9.4726, 23.6905,
4.6574


 115.4871,
182.5744, 94.2926

 5.1102, 15.1042,
1.9925

 145.7989,
223.9962, 122.2602

 2.3475, 8.8926,
0.5507

 180.9985,
271.2522, 155.2740

 0.8188, 4.6712,
0.0000

221.4513,

 0.0000, 2.0556,

324.7268, 193.7527

0.0000

267.5225,
384.8044, 238.1148

■ 0.0000, 0.6395,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8106, 67.5414,
24.5140

■ 35.8106, 67.5414,
24.5140

■ 35.8115, 67.5438,
24.5129

■ 36.9981, 68.0640,
28.7051

■ 38.8106, 68.8921,
33.5897

■ 41.4094, 70.1103,
39.2043

■ 44.8923, 71.7683,
45.5796

■ 49.3422, 73.9083,
52.7441

■ 54.8317, 76.5673,
60.7246

■ 61.4263, 79.7785,
69.5467

■ 69.1858, 83.5723,
79.2348

■ 78.1657, 87.9768,
89.8121

Harmonies

Analogous

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



48.0909, 67.5414, 9.9538



35.8106, 67.5414, 24.5140



31.1196, 67.5414, 64.1449

Triad

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



35.8106, 67.5414, 24.5140



60.8254, 67.5414, 266.5659



109.4471, 67.5414, 33.6416

Complementary

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



35.8106, 67.5414, 24.5140



43.2431, 21.7288, 27.5127

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.



114.9859, 67.5414, 83.8129



35.8106, 67.5414, 24.5140



83.5468, 67.5414, 241.5915

Square

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



35.8106, 67.5414, 24.5140



43.3531, 67.5414, 220.5182



104.6226, 67.5414, 164.0567



90.8336, 67.5414, 12.7757

Rectangle

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



35.8106, 67.5414, 24.5140



31.9394, 67.5414, 109.3866



104.6226, 67.5414, 164.0567



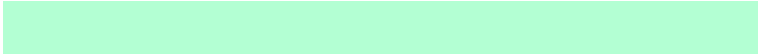
113.0544, 67.5414, 46.5310

Sweetspot

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



35.8122, 67.5442, 24.5155



65.9952, 85.7483, 74.7126



44.7799, 72.4617, 11.6268



13.4535, 18.0259, 15.1107



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.



35.8122, 67.5442, 24.5155



38.4878, 72.6111, 26.2842



47.0477, 72.0383, 83.6805



16.5745, 18.5889, 19.0438



19.0064, 35.7474, 13.3196



1.7208, 3.1620, 1.4354

Inverse Universe

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



43.2431, 21.7288, 27.5127



46.4756, 23.3543, 29.5005



38.4911, 19.8279, 2.4886



16.8985, 16.6423, 19.2121



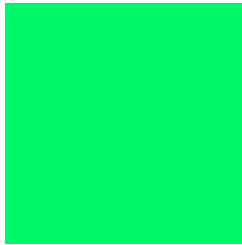
22.9412, 11.5199, 14.9307



2.0677, 1.0330, 1.5827

Previews

White Background



This preview shows how the XYZ color 35.8106, 67.5414, 24.5140 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 35.8106, 67.5414, 24.5140 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 35.8106, 67.5414, 24.5140

Background



This preview shows how black text looks on a background with the XYZ color 35.8106, 67.5414, 24.5140.

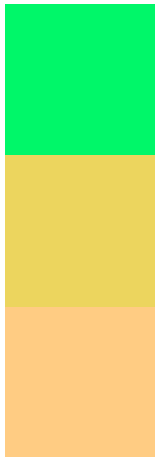


This preview shows how white text looks on a background with the XYZ color 35.8106, 67.5414,

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

35.8106, 67.5414, 24.5140

Protanopia

60.4067, 66.2295, 20.1895

Deuteranopia

66.9296, 66.0844, 30.7007



Tritanopia

51.1990, 67.2196, 101.5430

Trichromacy



Original Color

35.8106, 67.5414, 24.5140



Protanomaly

41.7075, 61.2163, 21.1730



Deuteranomaly

44.0063, 60.2729, 27.7268



Tritanomaly

42.4638, 65.6697, 63.8635

Monochromacy



Original Color

35.8106, 67.5414, 24.5140



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 35.8106, 67.5414, 24.5140 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 105) }
```

Border

The CSS property to change the border of an element to XYZ 35.8106, 67.5414, 24.5140 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, 105) }
```


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

```
.border{ border-color:rgb(0, 247, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8106, 67.5414, 24.5140 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, 105) }
```

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

```
.background{ background-color: rgb(0, 247,  
105) }
```

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