

Converting Colors

XYZ(34.8184, 67.6376, 17.7697)

Have a look what the booklet for
XYZ(34.8184, 67.6376, 17.7697)
contains.

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Color

**XYZ(34.8034, 67.6292,
17.6980)**

Conversions

Conversions Part 1

Format	Color
Hex	00F84A
RGB	0, 248, 74
RGB Percent	0%, 97%, 29%
CMY	1.0000, 0.0274, 0.7098
CMYK	1.00, 0.00, 0.70, 0.03
HSL	138°, 100%, 49%
HSV	138°, 100%, 97%
XYZ	34.8034, 67.6292, 17.6980
YIQ	154.0120, -91.9540, -106.6900

Conversions

Conversions Part 2

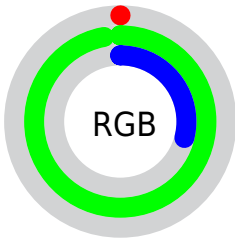
Format	Color
RYB	0, 191, 248
Decimal	63562
CIELab	85.82, -81.17, 66.40
CIELCh	86, 104.874, 140.715
Yxy	67.6292, 0.2897, 0.5630
Android (android.graphics.Color)	4278253642 (0xFF00F84A)
YUV	154.0120, -39.4459, -135.0685
Hunter-Lab	82.2370, -68.3720, 44.8062

Details

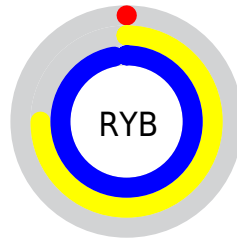
The XYZ color **34.8034, 67.6292, 17.6980** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.3530, 23.0133, 42.0435**, and the grayscale version is **30.9187, 32.5289, 35.4239**.

A 20% lighter version of the original color is **47.0592, 76.8717, 33.8302**, and **18.4135, 36.8269, 6.1378** is the 20% darker color. If you saturate the color by 10%, you get **34.8049, 67.6319, 17.6992**, and if you desaturate by 10%, it is **35.8707, 68.1040, 21.2445**.

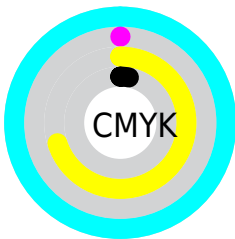
Distribution



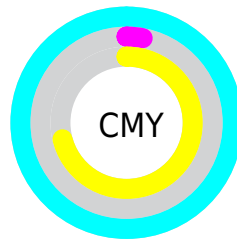
- Red (0%)
- Green (97%)
- Blue (29%)



- Red (0%)
- Yellow (75%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8034, 67.6292, 17.6980 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 34.8034, 67.6292, 17.6980 by changing the saturation by 10% instead.


 34.8034, 67.6292,
17.6980


 34.8034, 67.6292,
17.6980


315.2229,
452.1811, 251.3420


 23.6773, 49.5961,
10.5662


 66.5171, 115.8215,
40.3290


 15.2178, 35.0926,
5.6655


 87.8354, 146.7496,
56.6653

 9.0597, 23.7342,
2.5773


 113.2818,
182.7447, 76.9068

 4.8376, 15.1366,
0.8807

 143.2217,
224.1914, 101.4721

 2.1861, 8.9153,
0.0000

 178.0204,
271.4740, 130.7798

 0.7354, 4.6860,
0.0000

218.0433,

 0.0000, 2.0642,

324.9769, 165.2482

0.0000

263.6557,
385.0845, 205.2961

■ 0.0000, 0.6444,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8034, 67.6292,
17.6980

■ 34.8034, 67.6292,
17.6980

■ 34.8049, 67.6319,
17.6992

■ 35.8707, 68.1040,
21.2445

■ 37.6145, 68.9055,
25.7310

■ 40.2032, 70.1211,
31.2243

■ 43.7406, 71.8032,
37.7820

■ 48.3151, 73.9963,
45.4573

■ 54.0043, 76.7394,
54.2994

■ 60.8782, 80.0676,
64.3548

■ 69.0010, 84.0130,
75.6674

■ 78.4319, 88.6055,
88.2786

Harmonies

Analogous

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



49.3193, 67.6292, 6.3253



34.8034, 67.6292, 17.6980



28.6847, 67.6292, 54.3295

Triad

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



34.8034, 67.6292, 17.6980



57.1274, 67.6292, 295.7518



117.7318, 67.6292, 36.1262

Complementary

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



34.8034, 67.6292, 17.6980



46.3530, 23.0133, 42.0435

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.



121.3232, 67.6292, 97.0489



34.8034, 67.6292, 17.6980



81.9950, 67.6292, 278.8958

Square

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



34.8034, 67.6292, 17.6980



39.2944, 67.6292, 230.2904



106.9487, 67.6292, 192.7908



98.0939, 67.6292, 11.4424

Rectangle

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



34.8034, 67.6292, 17.6980



28.8014, 67.6292, 100.9979



106.9487, 67.6292, 192.7908



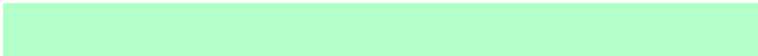
121.0186, 67.6292, 51.7255

Sweetspot

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



34.8050, 67.6320, 17.6995



64.8163, 85.2767, 68.5045



51.8686, 76.5714, 12.0461



13.1782, 17.9158, 13.6608



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.



34.8050, 67.6320, 17.6995



37.0677, 72.0431, 18.8063



43.3368, 71.0447, 62.6273



17.2305, 19.3945, 19.4144



18.8545, 36.5548, 9.8431



1.7908, 3.4034, 1.1461

Inverse Universe

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



46.3530, 23.0133, 42.0435



49.3674, 24.5109, 44.7281



39.3726, 20.2212, 5.2855



17.7594, 17.4311, 20.5890



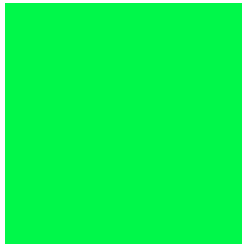
25.1036, 12.4572, 23.0520



2.3717, 1.1724, 2.3808

Previews

White Background



This preview shows how the XYZ color 34.8034, 67.6292, 17.6980 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 34.8034, 67.6292, 17.6980 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 34.8034, 67.6292, 17.6980

Background



This preview shows how black text looks on a background with the XYZ color 34.8034, 67.6292, 17.6980.

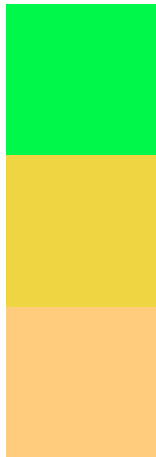


This preview shows how white text looks on a background with the XYZ color 34.8034, 67.6292,

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

34.8034, 67.6292, 17.6980

Protanopia

60.0083, 66.1473, 14.6060

Deuteranopia

66.5345, 65.9264, 28.6204



Tritanopia

51.4788, 67.3821, 100.7353

Trichromacy



Original Color

34.8034, 67.6292, 17.6980



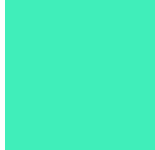
Protanomaly

41.0022, 61.3894, 15.1571



Deuteranomaly

43.0950, 59.9084, 22.9278



Tritanomaly

41.5518, 65.7842, 56.9620

Monochromacy



Original Color

34.8034, 67.6292, 17.6980



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.7219, 40.0438, 25.7229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8034, 67.6292, 17.6980 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, 248, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 74)  
}
```

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, 248, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 74) }
```

Border

The CSS property to change the border of an element to XYZ 34.8034, 67.6292, 17.6980 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, 248, 74) }
```


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

```
.border{ border-color:rgb(0, 248, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 248, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8034, 67.6292, 17.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 74) }
```

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

```
.background{ background-color: rgb(0, 248,  
74) }
```

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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