

Converting Colors

XYZ(34.7748, 66.0570, 22.3590)

Have a look what the booklet for
XYZ(34.7748, 66.0570, 22.3590)
contains.

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Color

**XYZ(34.8570, 66.1867,
22.4934)**

Conversions

Conversions Part 1

Format	Color
Hex	00F562
RGB	0, 245, 98
RGB Percent	0%, 96%, 38%
CMY	1.0000, 0.0392, 0.6157
CMYK	1.00, 0.00, 0.60, 0.04
HSL	144°, 100%, 48%
HSV	144°, 100%, 96%
XYZ	34.8570, 66.1867, 22.4934
YIQ	154.9870, -98.8330, -97.6570

Conversions

Conversions Part 2

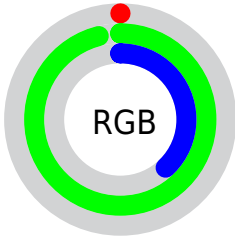
Format	Color
RYB	0, 175, 245
Decimal	62818
CIELab	85.09, -77.85, 56.07
CIELCh	85, 95.934, 144.238
Yxy	66.1867, 0.2822, 0.5358
Android (android.graphics.Color)	4278252898 (0xFF00F562)
YUV	154.9870, -28.0946, -135.9236
Hunter-Lab	81.3552, -65.8925, 40.5559

Details

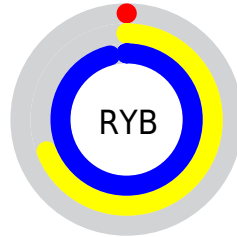
The XYZ color **34.8570, 66.1867, 22.4934** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **42.9247, 21.5202, 29.4978**, and the grayscale version is **31.3037, 32.9339, 35.8650**.

A 20% lighter version of the original color is **48.4492, 77.3973, 42.5226**, and **18.1882, 35.7078, 8.1242** is the 20% darker color. If you saturate the color by 10%, you get **34.8583, 66.1893, 22.4940**, and if you desaturate by 10%, it is **36.0066, 66.6935, 26.5111**.

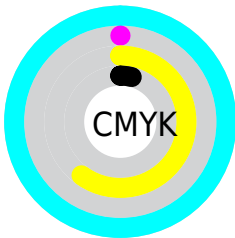
Distribution



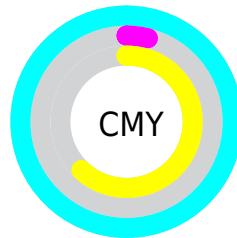
- Red (0%)
- Green (96%)
- Blue (38%)



- Red (0%)
- Yellow (69%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8570, 66.1867, 22.4934 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 34.8570, 66.1867, 22.4934 by changing the saturation by 10% instead.


 34.8570, 66.1867,
22.4934


 34.8570, 66.1867,
22.4934


315.4558,
447.0443, 278.1493

 23.7187, 48.4240,
14.0181


 66.5997, 113.7543,
48.4727


 15.2487, 34.1628,
7.9944


 87.9348, 144.3279,
66.8139


 9.0816, 23.0187,
4.0036


 113.3995,
179.9406, 89.2807

 4.8520, 14.6073,
1.6273

 143.3593,
220.9768, 116.2918

 2.1945, 8.5442,
0.3102

 178.1795,
267.8209, 148.2656

 0.7399, 4.4451,
0.0000

218.2254,

 0.0000, 1.9255,

320.8572, 185.6208

0.0000

263.8624,
380.4702, 228.7759

■ 0.0000, 0.5637,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8570, 66.1867,
22.4934

■ 34.8570, 66.1867,
22.4934

■ 34.8583, 66.1893,
22.4940

■ 36.0066, 66.6935,
26.5111

■ 37.7779, 67.5035,
31.2557

■ 40.3304, 68.7000,
36.7675

■ 43.7608, 70.3322,
43.0805

■ 48.1510, 72.4418,
50.2264

■ 53.5728, 75.0653,
58.2350

■ 60.0911, 78.2353,
67.1347

■ 67.7652, 81.9821,
76.9524

■ 76.6498, 86.3333,
87.7138

Harmonies

Analogous

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



47.3461, 66.1867, 8.9065



34.8570, 66.1867, 22.4934



29.9624, 66.1867, 60.7673

Triad

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



34.8570, 66.1867, 22.4934



58.8285, 66.1867, 267.1352



108.9114, 66.1867, 33.4212

Complementary

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



34.8570, 66.1867, 22.4934



42.9247, 21.5202, 29.4978

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.



113.9660, 66.1867, 84.6851



34.8570, 66.1867, 22.4934



81.5544, 66.1867, 244.1432

Square

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



34.8570, 66.1867, 22.4934



41.6160, 66.1867, 218.1746



103.0069, 66.1867, 166.3793



90.4498, 66.1867, 12.2117

Rectangle

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



34.8570, 66.1867, 22.4934



30.6175, 66.1867, 105.4746



103.0069, 66.1867, 166.3793



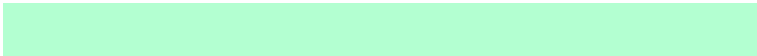
112.3885, 66.1867, 46.5817

Sweetspot

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



34.8586, 66.1894, 22.4949



65.7560, 85.6526, 73.4532



45.4327, 71.8952, 11.4828



13.3974, 18.0035, 14.8153



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.



34.8586, 66.1894, 22.4949



38.1582, 72.4793, 24.5488



45.1030, 70.2872, 76.4412



16.5568, 18.5819, 18.9506



18.8421, 35.6817, 12.4541



1.7053, 3.1558, 1.3542

Inverse Universe

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



42.9247, 21.5202, 29.4978



46.9899, 23.5600, 32.2085



37.8745, 19.5001, 2.9036



16.9166, 16.6495, 19.3075



23.1936, 11.6209, 16.2598



2.0892, 1.0416, 1.6959

Previews

White Background



This preview shows how the XYZ color 34.8570, 66.1867, 22.4934 looks on a white background.

Color Contrast Check

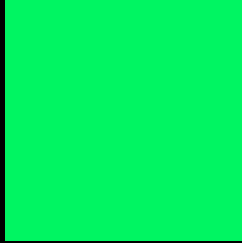
Large Text (above 18pt) WCAG AA × Fail

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 34.8570, 66.1867, 22.4934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

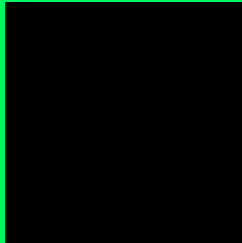
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8570, 66.1867, 22.4934

Background



This preview shows how black text looks on a background with the XYZ color 34.8570, 66.1867, 22.4934.

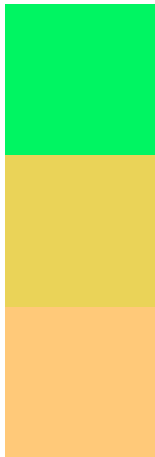


This preview shows how white text looks on a background with the XYZ color 34.8570, 66.1867,

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

34.8570, 66.1867, 22.4934

Protanopia

58.9874, 64.7855, 18.6284

Deuteranopia

65.5778, 64.4138, 27.0659



Tritanopia

50.1699, 65.9123, 98.8851

Trichromacy



Original Color

34.8570, 66.1867, 22.4934



Protanomaly

40.7139, 59.9376, 19.5485



Deuteranomaly

42.6938, 58.4993, 24.6641



Tritanomaly

41.3206, 64.2911, 60.6837

Monochromacy



Original Color

34.8570, 66.1867, 22.4934



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.4319, 40.3403, 28.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8570, 66.1867, 22.4934 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, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 98)  
}
```

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, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 98) }
```

Border

The CSS property to change the border of an element to XYZ 34.8570, 66.1867, 22.4934 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, 245, 98) }
```


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

```
.border{ border-color:rgb(0, 245, 98) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 245, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8570, 66.1867, 22.4934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 98) }
```

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

```
.background{ background-color: rgb(0, 245,  
98) }
```

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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