

Converting Colors

XYZ(34.7706, 64.8308, 26.1115)

Have a look what the booklet for
XYZ(34.7706, 64.8308, 26.1115)
contains.

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Color

**XYZ(34.6768, 64.6741,
25.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	00F270
RGB	0, 242, 112
RGB Percent	0%, 95%, 44%
CMY	0.9999, 0.0510, 0.5608
CMYK	1.00, 0.00, 0.54, 0.05
HSL	148°, 100%, 47%
HSV	148°, 100%, 95%
XYZ	34.6768, 64.6741, 25.9849
YIQ	154.8220, -102.5020, -91.7340

Conversions

Conversions Part 2

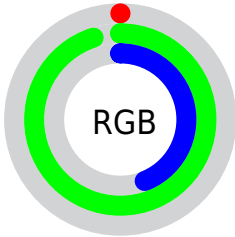
Format	Color
RYB	0, 165, 242
Decimal	62064
CIELab	84.32, -75.12, 48.90
CIELCh	84, 89.634, 146.936
Yxy	64.6741, 0.2767, 0.5160
Android (android.graphics.Color)	4278252144 (0xFF00F270)
YUV	154.8220, -21.1112, -135.7789
Hunter-Lab	80.4202, -63.7670, 37.1367

Details

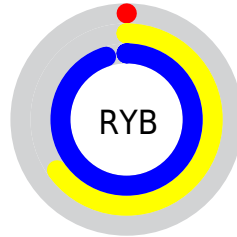
The XYZ color **34.6768, 64.6741, 25.9849** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **40.6500, 20.4906, 22.9381**, and the grayscale version is **31.2032, 32.8282, 35.7499**.

A 20% lighter version of the original color is **49.4530, 77.7839, 48.4837**, and **17.9299, 34.5967, 9.8705** is the 20% darker color. If you saturate the color by 10%, you get **34.6776, 64.6764, 25.9836**, and if you desaturate by 10%, it is **35.8372, 65.1843, 30.0966**.

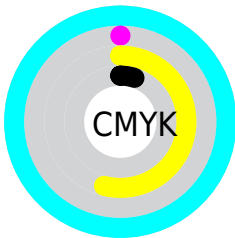
Distribution



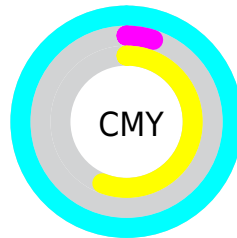
- Red (0%)
- Green (95%)
- Blue (44%)



- Red (0%)
- Yellow (65%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6768, 64.6741, 25.9849 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 34.6768, 64.6741, 25.9849 by changing the saturation by 10% instead.


 34.6768, 64.6741,
25.9849


 34.6768, 64.6741,
25.9849


314.6725,
441.6199, 296.3111


 23.5794, 47.1969,
16.5867


 66.3221, 111.5812,
54.2344


 15.1449, 33.1913,
9.7814


 87.6007, 141.7798,
73.9227

 9.0081, 22.2730,
5.1506


 113.0037,
176.9877, 97.8781

 4.8036, 14.0577,
2.2756

 142.8965,
217.5893, 126.5193

 2.1661, 8.1608,
0.7175

 177.6444,
263.9689, 160.2646

 0.7248, 4.1980,
0.0000

217.6128,

 0.0000, 1.7849,

316.5109, 199.5326

0.0000

263.1670,
375.5998, 244.7419

■ 0.0000, 0.4778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6768, 64.6741,
25.9849

■ 34.6768, 64.6741,
25.9849

■ 34.6776, 64.6764,
25.9836

■ 35.8372, 65.1843,
30.0966

■ 37.5799, 65.9804,
34.8017

■ 40.0587, 67.1429,
40.1295

■ 43.3654, 68.7188,
46.1040

■ 47.5779, 70.7477,
52.7475

■ 52.7646, 73.2646,
60.0812

■ 58.9867, 76.3006,
68.1251

■ 66.3005, 79.8844,
76.8984

■ 74.7580, 84.0424,
86.4196

Harmonies

Analogous

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



45.7289, 64.6741, 10.9646



34.6768, 64.6741, 25.9849



30.6541, 64.6741, 64.7278

Triad

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



34.6768, 64.6741, 25.9849



59.4500, 64.6741, 246.0804



102.2380, 64.6741, 31.5560

Complementary

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



34.6768, 64.6741, 25.9849



40.6500, 20.4906, 22.9381

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.



108.0913, 64.6741, 76.4346



34.6768, 64.6741, 25.9849



80.4650, 64.6741, 220.0642

Square

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



34.6768, 64.6741, 25.9849



42.8844, 64.6741, 207.7912



99.3963, 64.6741, 148.6298



84.7747, 64.6741, 12.7470

Rectangle

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



34.6768, 64.6741, 25.9849



31.6734, 64.6741, 107.3686



99.3963, 64.6741, 148.6298



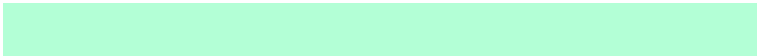
105.7724, 64.6741, 43.0989

Sweetspot

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



34.6784, 64.6767, 25.9864



66.3602, 85.8943, 76.6347



41.4437, 68.5022, 11.0385



13.5393, 18.0603, 15.5627



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.



34.6784, 64.6767, 25.9864



39.0305, 72.8282, 29.1422



46.0231, 69.2146, 85.7269



15.8702, 17.7781, 18.3396



18.6958, 34.7704, 14.3132



1.6051, 2.9125, 1.4526

Inverse Universe

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



40.6500, 20.4906, 22.9381



45.7548, 23.0659, 25.7045



36.6866, 18.9052, 2.0671



16.1279, 15.9009, 18.2295



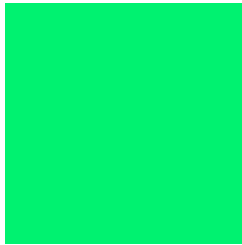
21.9061, 11.0349, 12.6882



1.8726, 0.9381, 1.3199

Previews

White Background



This preview shows how the XYZ color 34.6768, 64.6741, 25.9849 looks on a white background.

Color Contrast Check

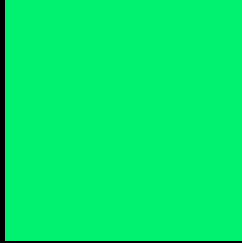
Large Text (above 18pt) WCAG AA × Fail

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 34.6768, 64.6741, 25.9849 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 34.6768, 64.6741, 25.9849

Background



This preview shows how black text looks on a background with the XYZ color 34.6768, 64.6741, 25.9849.



This preview shows how white text looks on a background with the XYZ color 34.6768, 64.6741,

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

34.6768, 64.6741, 25.9849

Protanopia

58.1044, 63.5294, 21.5119

Deuteranopia

64.5066, 63.1596, 27.5300



Tritanopia

48.9940, 64.5203, 97.0602

Trichromacy



Original Color

34.6768, 64.6741, 25.9849



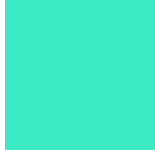
Protanomaly

40.4389, 58.9359, 22.6090



Deuteranomaly

42.3282, 57.5099, 26.3223



Tritanomaly

41.0804, 63.2697, 62.8704

Monochromacy



Original Color

34.6768, 64.6741, 25.9849



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.5761, 40.0574, 30.7045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6768, 64.6741, 25.9849 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, 242, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 112)  
}
```

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, 242, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 112) }
```

Border

The CSS property to change the border of an element to XYZ 34.6768, 64.6741, 25.9849 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, 242, 112) }
```


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

```
.border{ border-color:rgb(0, 242, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6768, 64.6741, 25.9849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 112) }
```

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

```
.background{ background-color: rgb(0, 242,  
112) }
```

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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