

Converting Colors

XYZ(36.6538, 66.4226, 33.4433)

Have a look what the booklet for
XYZ(36.6538, 66.4226, 33.4433)
contains.

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Color

**XYZ(36.6538, 66.4226,
33.4433)**

Conversions

Conversions Part 1

Format	Color
Hex	00F486
RGB	0, 244, 134
RGB Percent	0%, 96%, 53%
CMY	0.9999, 0.0431, 0.4745
CMYK	1.00, 0.00, 0.45, 0.04
HSL	153°, 100%, 48%
HSV	153°, 100%, 96%
XYZ	36.6538, 66.4226, 33.4433
YIQ	158.5040, -110.1140, -85.9380

Conversions

Conversions Part 2

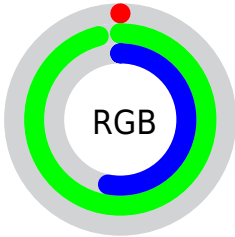
Format	Color
RYB	0, 158, 244
Decimal	62598
CIELab	85.21, -72.32, 39.56
CIELCh	85, 82.430, 151.319
Yxy	66.4226, 0.2685, 0.4865
Android (android.graphics.Color)	4278252678 (0xFF00F486)
YUV	158.5040, -12.0805, -139.0080
Hunter-Lab	81.5001, -62.3466, 32.7206

Details

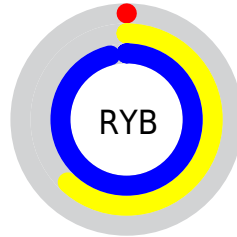
The XYZ color **36.6538, 66.4226, 33.4433** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **40.1256, 20.3606, 16.5734**, and the grayscale version is **32.8215, 34.5307, 37.6040**.

A 20% lighter version of the original color is **51.6472, 78.6616, 60.0381**, and **19.0819, 35.7270, 13.8729** is the 20% darker color. If you saturate the color by 10%, you get **36.6545, 66.4249, 33.4412**, and if you desaturate by 10%, it is **37.8499, 66.9477, 37.7171**.

Distribution



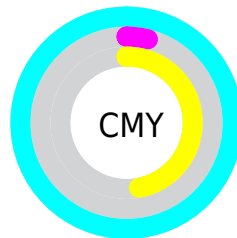
- Red (0%)
- Green (96%)
- Blue (53%)



- Red (0%)
- Yellow (62%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6538, 66.4226, 33.4433 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 36.6538, 66.4226, 33.4433 by changing the saturation by 10% instead.


 36.6538, 66.4226,
33.4433


 36.6538, 66.4226,
33.4433


323.1909,
447.8867, 332.3356


 25.1120, 48.6155,
22.1924


 69.3573, 114.0927,
66.1910


 16.2897, 34.3146,
13.7986


 91.2497, 144.7245,
88.5248

 9.8215, 23.1354,
7.8436


 117.3230,
180.4000, 115.3900

 5.3421, 14.6935,
3.9087

 147.9426,
221.5035, 147.2051

 2.4862, 8.6046,
1.5754

 183.4739,
268.4196, 184.3887

 0.8883, 4.4842,
0.2732

224.2821,

 0.0000, 1.9479,

321.5326, 227.3593

0.0000

270.7326,
381.2268, 276.5354

■ 0.0000, 0.5769,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6538, 66.4226,
33.4433

■ 36.6538, 66.4226,
33.4433


■ 36.6545, 66.4249,
33.4412


■ 37.8499, 66.9477,
37.7171


■ 39.6112, 67.7529,
42.4447


■ 42.0921, 68.9193,
47.6466


■ 45.3850, 70.4942,
53.3381

 49.5675, 72.5176,
59.5338

 54.7079, 75.0243,
66.2472

 60.8675, 78.0457,
73.4913

 68.1021, 81.6104,
81.2785

 76.4636, 85.7450,
89.6207

Harmonies

Analogous

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



46.2980, 66.4226, 15.3469



36.6538, 66.4226, 33.4433



33.6884, 66.4226, 74.7078

Triad

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



36.6538, 66.4226, 33.4433



63.9600, 66.4226, 230.7899



98.9049, 66.4226, 31.0589

Complementary

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



36.6538, 66.4226, 33.4433



40.1256, 20.3606, 16.5734

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.



106.0934, 66.4226, 69.9894



36.6538, 66.4226, 33.4433



83.6214, 66.4226, 199.9634

Square

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



36.6538, 66.4226, 33.4433



47.4680, 66.4226, 204.6468



100.0202, 66.4226, 133.5051



81.9124, 66.4226, 14.5228

Rectangle

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



36.6538, 66.4226, 33.4433



35.3188, 66.4226, 116.3494



100.0202, 66.4226, 133.5051



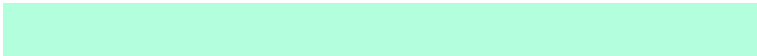
102.6826, 66.4226, 41.0945

Sweetspot

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



36.6555, 66.4253, 33.4448



67.2209, 86.2386, 81.1673



39.2759, 68.2732, 11.1086



13.7427, 18.1416, 16.6338



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.



36.6555, 66.4253, 33.4448



40.4960, 73.4144, 36.8593



46.2884, 66.4489, 95.9775



16.6630, 18.6243, 19.5097



19.9999, 36.1448, 18.5510



1.8096, 3.1975, 1.9031

Inverse Universe

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



40.1256, 20.3606, 16.5734



44.3327, 22.4971, 18.2158



37.3983, 19.4109, 1.7762



16.8097, 16.6067, 18.7446



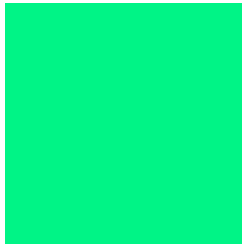
21.8835, 11.0968, 9.3610



1.9744, 0.9957, 1.0916

Previews

White Background



This preview shows how the XYZ color 36.6538, 66.4226, 33.4433 looks on a white background.

Color Contrast Check

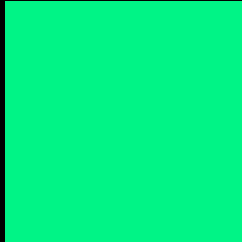
Large Text (above 18pt) WCAG AA × Fail

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 36.6538, 66.4226, 33.4433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

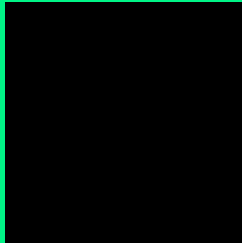
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6538, 66.4226, 33.4433

Background



This preview shows how black text looks on a background with the XYZ color 36.6538, 66.4226, 33.4433.

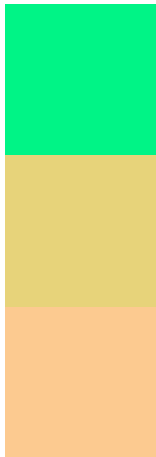


This preview shows how white text looks on a background with the XYZ color 36.6538, 66.4226,

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

36.6538, 66.4226, 33.4433

Protanopia

59.7621, 64.9826, 27.8054

Deuteranopia

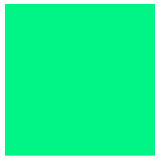
66.2995, 64.9501, 35.4278



Tritanopia

50.1456, 66.2781, 100.5925

Trichromacy



Original Color

36.6538, 66.4226, 33.4433



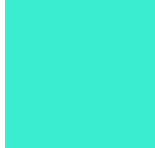
Protanomaly

42.1862, 60.4848, 29.1899



Deuteranomaly

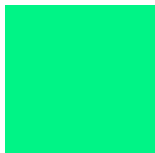
44.0437, 58.9927, 33.8763



Tritanomaly

43.1255, 65.4445, 70.0336

Monochromacy



Original Color

36.6538, 66.4226, 33.4433



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.2853, 41.7956, 35.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6538, 66.4226, 33.4433 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, 244, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 134)  
}
```

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, 244, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 134) }
```

Border

The CSS property to change the border of an element to XYZ 36.6538, 66.4226, 33.4433 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, 244, 134) }
```


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

```
.border{ border-color:rgb(0, 244, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 244, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6538, 66.4226, 33.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 134) }
```

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

```
.background{ background-color: rgb(0, 244,  
134) }
```

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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