

Converting Colors

XYZ(33.1775, 66.0002, 12.1531)

Have a look what the booklet for
XYZ(33.1775, 66.0002, 12.1531)
contains.

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Color

**XYZ(33.1775, 66.0002,
12.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	00F61D
RGB	0, 246, 29
RGB Percent	0%, 96%, 11%
CMY	1.0000, 0.0353, 0.8862
CMYK	1.00, 0.00, 0.88, 0.04
HSL	127°, 100%, 48%
HSV	127°, 100%, 96%
XYZ	33.1775, 66.0002, 12.1531
YIQ	147.7080, -76.9590, -119.6390

Conversions

Conversions Part 2

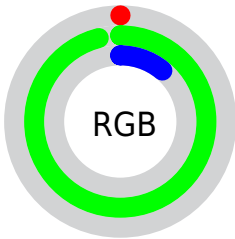
Format	Color
RYB	0, 220, 246
Decimal	63005
CIELab	85.00, -83.28, 77.84
CIELCh	85, 113.991, 136.935
Yxy	66.0002, 0.2980, 0.5928
Android (android.graphics.Color)	4278253085 (0xFF00F61D)
YUV	147.7080, -58.5230, -129.5399
Hunter-Lab	81.2405, -69.2740, 47.9989

Details

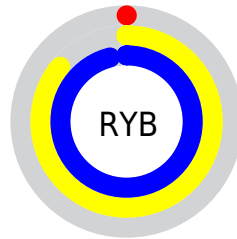
The XYZ color **33.1775, 66.0002, 12.1531** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.5304, 24.6027, 67.7230**, and the grayscale version is **28.2875, 29.7607, 32.4094**.

A 20% lighter version of the original color is **45.3482, 76.2028, 24.1229**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **33.1791, 66.0029, 12.1546**, and if you desaturate by 10%, it is **33.9395, 66.3523, 14.1176**.

Distribution



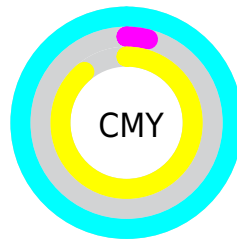
- Red (0%)
- Green (96%)
- Blue (11%)



- Red (0%)
- Yellow (86%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1775, 66.0002, 12.1531 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 33.1775, 66.0002, 12.1531 by changing the saturation by 10% instead.


 33.1775, 66.0002,
12.1531


 33.1775, 66.0002,
12.1531


308.0997,
446.3776, 216.4300

 22.4223, 48.2726,
6.7242


 64.0054, 113.4866,
30.4422

 14.2859, 34.0428,
3.2144


 84.8088, 144.0142,
44.1395


 8.4028, 22.9265,
1.2051

 109.6924,
179.5772, 61.4300

 4.4077, 14.5392,
0.0000

 139.0214,
220.5600, 82.7323

 1.9353, 8.4966,
0.0000

 173.1613,
267.3471, 108.4649

 0.5972, 4.4144,
0.0000

 212.4774,

 0.0000, 1.9079,

320.3228, 139.0464

0.0000

257.3351,
379.8715, 174.8952

■ 0.0000, 0.5531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1775, 66.0002,
12.1531

■ 33.1775, 66.0002,
12.1531


■ 33.1791, 66.0029,
12.1546


■ 33.9395, 66.3523,
14.1176


■ 35.4167, 67.0454,
17.2764


■ 37.7913, 68.1723,
21.7830


■ 41.1790, 69.7898,
27.7660

 45.6778, 71.9461,
35.3388

 51.3742, 74.6835,
44.6038

 58.3460, 78.0402,
55.6547

 66.6643, 82.0510,
68.5784

 76.3950, 86.7482,
83.4561

Harmonies

Analogous

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



49.4442, 66.0002, 3.7522



33.1775, 66.0002, 12.1531



25.9315, 66.0002, 44.4476

Triad

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



33.1775, 66.0002, 12.1531



52.2377, 66.0002, 315.6394



122.6675, 66.0002, 38.0947

Complementary

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



33.1775, 66.0002, 12.1531



50.5304, 24.6027, 67.7230

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.



124.0192, 66.0002, 108.7209



33.1775, 66.0002, 12.1531



78.2078, 66.0002, 309.0705

Square

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



33.1775, 66.0002, 12.1531



34.7402, 66.0002, 232.1412



106.0593, 66.0002, 217.7251



102.7550, 66.0002, 10.2067

Rectangle

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



33.1775, 66.0002, 12.1531



25.4270, 66.0002, 90.2853



106.0593, 66.0002, 217.7251



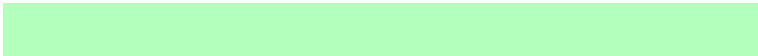
125.4663, 66.0002, 56.1344

Sweetspot

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



33.1791, 66.0029, 12.1546



63.2608, 84.6545, 60.3137



61.6627, 80.7125, 12.3291



12.8200, 17.7725, 11.7746



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.



33.1791, 66.0029, 12.1546



35.9953, 71.6141, 13.1593



38.6002, 68.1714, 40.7022



16.3617, 18.5038, 17.9230



17.7349, 35.2388, 6.6239



1.5839, 3.1072, 0.7149

Inverse Universe

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



50.5304, 24.6027, 67.7230



54.8200, 26.6920, 73.4415



40.0415, 20.4072, 12.4893



17.1245, 16.7327, 20.4023



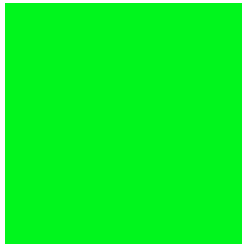
27.0045, 13.1452, 36.3276



2.3968, 1.1647, 3.3158

Previews

White Background



This preview shows how the XYZ color 33.1775, 66.0002, 12.1531 looks on a white background.

Color Contrast Check

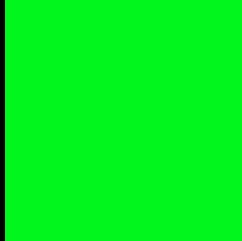
Large Text (above 18pt) WCAG AA × Fail

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 33.1775, 66.0002, 12.1531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

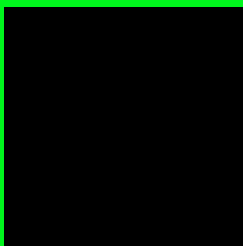
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

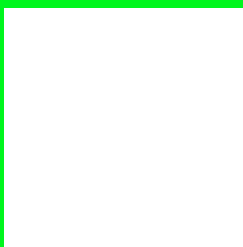
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1775, 66.0002, 12.1531

Background



This preview shows how black text looks on a background with the XYZ color 33.1775, 66.0002, 12.1531.



This preview shows how white text looks on a background with the XYZ color 33.1775, 66.0002,

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

33.1775, 66.0002, 12.1531

Protanopia

58.3055, 64.6275, 9.8533

Deuteranopia

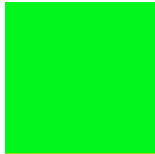
64.8334, 64.1160, 23.1459



Tritanopia

50.4013, 65.6376, 98.0086

Trichromacy



Original Color

33.1775, 66.0002, 12.1531



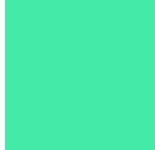
Protanomaly

39.5444, 59.9411, 10.1474



Deuteranomaly

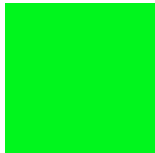
41.1244, 57.8716, 16.4000



Tritanomaly

39.0230, 63.4021, 47.2269

Monochromacy



Original Color

33.1775, 66.0002, 12.1531



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.3064, 37.6806, 19.3566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1775, 66.0002, 12.1531 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, 246, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 29)  
}
```

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, 246, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 29) }
```

Border

The CSS property to change the border of an element to XYZ 33.1775, 66.0002, 12.1531 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, 246, 29) }
```


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

```
.border{ border-color:rgb(0, 246, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 246, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.1775, 66.0002, 12.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 29) }
```

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

```
.background{ background-color: rgb(0, 246,  
29) }
```

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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