

Converting Colors

XYZ(33.4846, 66.0157, 12.2035)

Have a look what the booklet for
XYZ(33.4846, 66.0157, 12.2035)
contains.

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Color

**XYZ(33.5910, 66.2119,
12.2381)**

Conversions

Conversions Part 1

Format	Color
Hex	19F61E
RGB	25, 246, 30
RGB Percent	10%, 96%, 12%
CMY	0.9020, 0.0353, 0.8823
CMYK	0.90, 0.00, 0.88, 0.04
HSL	121°, 92%, 53%
HSV	121°, 90%, 96%
XYZ	33.5910, 66.2119, 12.2381
YIQ	155.2970, -62.3800, -114.0280

Conversions

Conversions Part 2

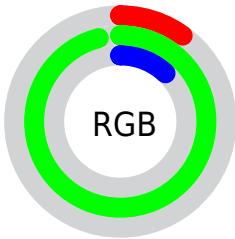
Format	Color
R_{YB}	25, 241, 246
Decimal	1701406
CIE _{Lab}	85.10, -82.29, 77.80
CIE _{LCh}	85, 113.243, 136.606
Y _{xy}	66.2119, 0.2998, 0.5910
Android (android.graphics.Color)	4279891486 (0xFF19F61E)
YUV	155.2970, -61.7714, -114.2705
Hunter-Lab	81.3707, -68.7113, 48.0423

Details

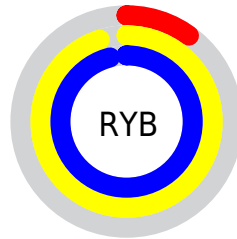
The XYZ color **33.5910, 66.2119, 12.2381** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.2306, 26.6391, 85.4935**, and the grayscale version is **31.5747, 33.2191, 36.1756**.

A 20% lighter version of the original color is **46.0863, 76.5777, 24.4086**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **32.9948, 65.9298, 11.1583**, and if you desaturate by 10%, it is **34.9201, 66.8490, 14.5599**.

Distribution



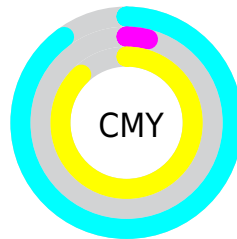
- Red (10%)
- Green (96%)
- Blue (12%)



- Red (10%)
- Yellow (95%)
- Blue (96%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (4%)





- Cyan (90%)
- Magenta (4%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5910, 66.2119, 12.2381 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 33.5910, 66.2119, 12.2381 by changing the saturation by 10% instead.


 33.5910, 66.2119,
12.2381


 33.5910, 66.2119,
12.2381


309.9226,
447.1343, 217.0088

 22.7410, 48.4444,
6.7815


 64.6457, 113.7904,
30.5989

 14.5220, 34.1790,
3.2495


 85.5810, 144.3703,
44.3402


 8.5687, 23.0311,
1.2234


 110.6088,
179.9897, 61.6801

 4.5158, 14.6165,
0.0000

 140.0945,
221.0331, 83.0373

 1.9979, 8.5507,
0.0000

 174.4033,
267.8848, 108.8302

 0.6328, 4.4493,
0.0000

 213.9007,

 0.0000, 1.9279,

320.9294, 139.4774

0.0000

258.9520,
380.5511, 175.3974

■ 0.0000, 0.5651,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5910, 66.2119,
12.2381

■ 33.5910, 66.2119,
12.2381

■ 32.9948, 65.9298,
11.1583


■ 34.9201, 66.8490,
14.5599


■ 32.9877, 65.9264,
11.1468

■ 37.1754, 67.9295,
18.3790


■ 40.4864, 69.5178,
23.8919


■ 44.9609, 71.6660,
31.2644

 50.6936, 74.4196,
40.6426

 57.7692, 77.8197,
52.1579

 66.2653, 81.9035,
65.9308

 76.2534, 86.7057,
82.0725

 87.8004, 92.2583,
100.6872

Harmonies

Analogous

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



49.9270, 66.2119, 3.8772



33.5910, 66.2119, 12.2381



26.2549, 66.2119, 44.1992

Triad

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



33.5910, 66.2119, 12.2381



52.2385, 66.2119, 313.3480



122.6245, 66.2119, 38.9325

Complementary

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



33.5910, 66.2119, 12.2381



54.2306, 26.6391, 85.4935

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.



123.7383, 66.2119, 109.7831



33.5910, 66.2119, 12.2381



78.0203, 66.2119, 307.9497

Square

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



33.5910, 66.2119, 12.2381



34.8870, 66.2119, 229.9685



105.7365, 66.2119, 218.1089



103.0117, 66.2119, 10.6087

Rectangle

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



33.5910, 66.2119, 12.2381



25.6958, 66.2119, 89.4959



105.7365, 66.2119, 218.1089



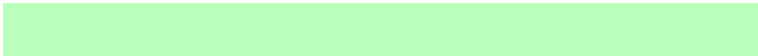
125.3281, 66.2119, 57.1072

Sweetspot

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



33.5925, 66.2146, 12.2396



65.0923, 85.5964, 60.5057



69.8607, 84.9184, 13.6286



13.3026, 18.0184, 11.9283



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.



33.5925, 66.2146, 12.2396



35.7917, 71.5327, 12.0870



38.0318, 67.9903, 35.6163



16.2975, 18.4781, 17.5848



17.6137, 35.1903, 5.9854



1.5533, 3.0950, 0.5537

Inverse Universe

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



54.2306, 26.6391, 85.4935



58.3720, 28.1128, 92.1461



42.5077, 21.9499, 23.7612



17.1964, 16.7614, 20.7810



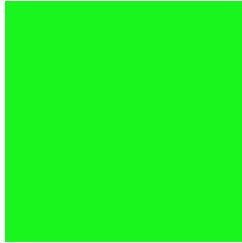
28.7219, 13.8322, 45.3714



2.5295, 1.2177, 4.0145

Previews

White Background



This preview shows how the XYZ color 33.5910, 66.2119, 12.2381 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 33.5910, 66.2119, 12.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

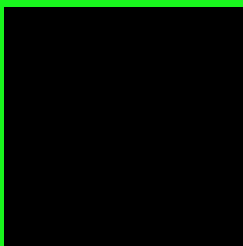
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

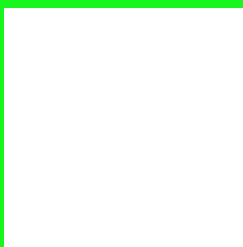
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5910, 66.2119, 12.2381

Background



This preview shows how black text looks on a background with the XYZ color 33.5910, 66.2119, 12.2381.

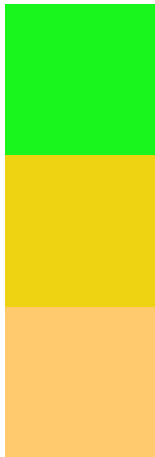


This preview shows how white text looks on a background with the XYZ color 33.5910, 66.2119,

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

33.5910, 66.2119, 12.2381

Protanopia

58.3205, 64.6335, 9.9320

Deuteranopia

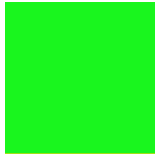
65.1208, 64.6052, 23.5058



Tritanopia

50.6335, 65.7573, 98.0194

Trichromacy



Original Color

33.5910, 66.2119, 12.2381



Protanomaly

41.2977, 60.8428, 10.3263



Deuteranomaly

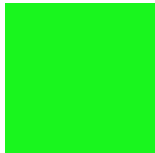
43.3140, 59.3799, 16.7680



Tritanomaly

39.7567, 63.7803, 47.2612

Monochromacy



Original Color

33.5910, 66.2119, 12.2381



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.9820, 40.2804, 21.1046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5910, 66.2119, 12.2381 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(25, 246, 30)` looks like.

```
.text, #text, p{  
    color:rgb(25, 246, 30)  
}
```

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(25, 246, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 246, 30) }
```

Border

The CSS property to change the border of an element to XYZ 33.5910, 66.2119, 12.2381 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(25, 246, 30) }
```


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

```
.border{ border-color:rgb(25, 246, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 246, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 246, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 246, 30);  
box-shadow:4px 4px 4px 4px rgb(25, 246,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5910, 66.2119, 12.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 246, 30) }
```

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

```
.background{ background-color: rgb(25, 246,  
30) }
```

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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