

Converting Colors

XYZ(33.0604, 60.9392, 11.7471)

Have a look what the booklet for
XYZ(33.0604, 60.9392, 11.7471)
contains.

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Color

**XYZ(33.1841, 61.1699,
11.8083)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4EEB25 |
| RGB | 78, 235, 37 |
| RGB Percent | 31%, 92%, 15% |
| CMY | 0.6941, 0.0784, 0.8549 |
| CMYK | 0.67, 0.00, 0.84, 0.08 |
| HSL | 108°, 83%, 53% |
| HSV | 108°, 84%, 92% |
| XYZ | 33.1841, 61.1699, 11.8083 |
| YIQ | 165.4850, -30.0140, -94.8620 |

Conversions

Conversions Part 2

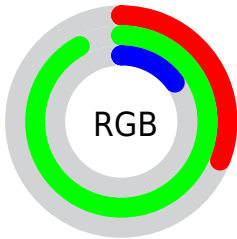
| Format | Color |
|-------------------------------------|--------------------------------------------------|
| RYB | 37, 235, 194 |
| Decimal | 5172005 |
| CIELab | 82.47, -72.37, 74.40 |
| CIELCh | 82, 103.789, 134.206 |
| Yxy | 61.1699, 0.3126, 0.5762 |
| Android (android.graphics.Color) | 4283362085 (0xFF4EEB25) |
| YUV | 165.4850, -63.3431, -76.7243 |
| Hunter-Lab | 78.2112, -61.1341, 45.7962 |

Details

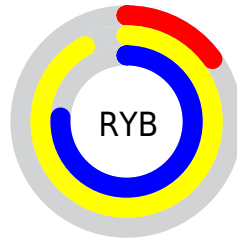
The XYZ color **33.1841, 61.1699, 11.8083** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **37.9105, 18.7939, 80.2300**, and the grayscale version is **36.3048, 38.1955, 41.5949**.

A 20% lighter version of the original color is **50.0123, 78.5903, 25.1039**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **31.6108, 60.3905, 10.3888**, and if you desaturate by 10%, it is **35.4297, 62.2722, 14.4987**.

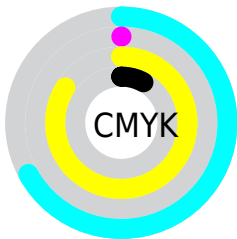
Distribution



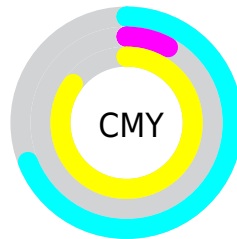
- Red (31%)
- Green (92%)
- Blue (15%)



- Red (15%)
- Yellow (92%)
- Blue (76%)



- Cyan (67%)
- Magenta (0%)
- Yellow (84%)
- Black (8%)





- Cyan (69%)
- Magenta (8%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1841, 61.1699, 11.8083 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 33.1841, 61.1699, 11.8083 by changing the saturation by 10% instead.


 33.1841, 61.1699,
11.8083


 33.1841, 61.1699,
11.8083


308.1288,
428.8967, 214.0647

 22.4274, 44.3623,
6.4923


 64.0156, 106.5249,
29.8046

 14.2897, 30.9554,
3.0731


 84.8211, 135.8411,
43.3221


 8.4055, 20.5649,
1.1321

 109.7070,
170.0956, 60.4104

 4.4094, 12.8063,
0.0000

 139.0386,
209.6728, 81.4882

 1.9363, 7.2953,
0.0000

 173.1812,
254.9571, 106.9740

 0.5978, 3.6475,
0.0000

 212.5002,

 0.0000, 1.4784,

306.3330, 137.2863

0.0000

257.3609,
364.1847, 172.8437

■ 0.0000, 0.2734,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1841, 61.1699,
11.8083

■ 33.1841, 61.1699,
11.8083

■ 31.6108, 60.3905,
10.3888

■ 35.4297, 62.2722,
14.4987

■ 30.9594, 60.0634,
9.9617

■ 38.4161, 63.7226,
18.6651

■ 42.2070, 65.5521,
24.4802

■ 46.8577, 67.7860,
32.0920

■ 52.4184, 70.4472,
41.6318

■ 58.9353, 73.5571,
53.2189

■ 66.4514, 77.1354,
66.9628

■ 75.0071, 81.2007,
82.9652

■ 84.6405, 85.7706,
101.3215

Harmonies

Analogous

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



48.2887, 61.1699, 4.5025



33.1841, 61.1699, 11.8083



25.9986, 61.1699, 38.5819

Triad

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



33.1841, 61.1699, 11.8083



47.2868, 61.1699, 266.8416



110.0631, 61.1699, 40.8994

Complementary

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



33.1841, 61.1699, 11.8083



37.9105, 18.7939, 80.2300

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.



109.5956, 61.1699, 105.6894



33.1841, 61.1699, 11.8083



69.2478, 61.1699, 269.0581

Square

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



33.1841, 61.1699, 11.8083



32.6122, 61.1699, 193.2315



93.2367, 61.1699, 198.1424



94.3867, 61.1699, 12.5801

Rectangle

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



33.1841, 61.1699, 11.8083



25.1339, 61.1699, 75.9700



93.2367, 61.1699, 198.1424



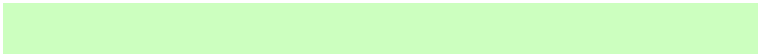
111.8934, 61.1699, 58.0406

Sweetspot

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



33.1855, 61.1725, 11.8097



70.2161, 88.1933, 62.7568



53.4694, 55.5424, 9.6539



14.4155, 18.5843, 12.3337



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.



33.1855, 61.1725, 11.8097



37.2171, 72.2712, 11.9882



32.4536, 60.6049, 20.3689



15.1596, 17.0123, 16.0034



17.3143, 33.4703, 5.5479



1.4375, 2.6684, 0.4393

Inverse Universe

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



37.9105, 18.7939, 80.2300



42.4643, 19.8060, 96.1926



43.0516, 22.2377, 44.6215



15.3918, 15.1472, 19.0347



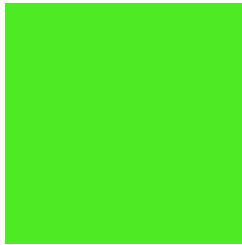
19.7723, 9.2289, 44.4822



1.6293, 0.7642, 3.4965

Previews

White Background



This preview shows how the XYZ color 33.1841, 61.1699, 11.8083 looks on a white background.

Color Contrast Check

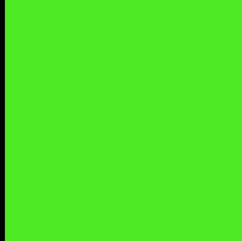
Large Text (above 18pt) WCAG AA × Fail

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 33.1841, 61.1699, 11.8083 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 33.1841, 61.1699, 11.8083

Background



This preview shows how black text looks on a background with the XYZ color 33.1841, 61.1699, 11.8083.

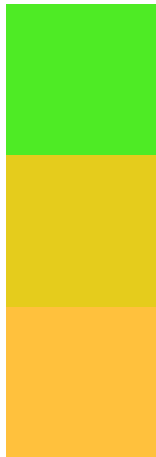


This preview shows how white text looks on a background with the XYZ color 33.1841, 61.1699,

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

33.1841, 61.1699, 11.8083

Protanopia

54.1156, 59.9276, 9.8136

Deuteranopia

61.1523, 59.7369, 12.7222



Tritanopia

48.4979, 60.8567, 88.5473

Trichromacy



Original Color

33.1841, 61.1699, 11.8083



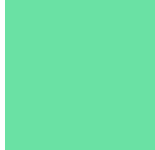
Protanomaly

42.0033, 57.6985, 10.2194



Deuteranomaly

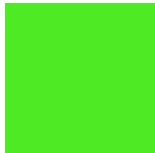
44.6616, 56.4360, 11.7881



Tritanomaly

39.5699, 59.5949, 44.5394

Monochromacy



Original Color

33.1841, 61.1699, 11.8083



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.3563, 43.1215, 23.8102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1841, 61.1699, 11.8083 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(78, 235, 37)` looks like.

```
.text, #text, p{  
    color:rgb(78, 235, 37)  
}
```

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(78, 235, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 235, 37) }
```

Border

The CSS property to change the border of an element to XYZ 33.1841, 61.1699, 11.8083 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(78, 235, 37) }
```


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

```
.border{ border-color:rgb(78, 235, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 235, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 235, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 235, 37);  
box-shadow:4px 4px 4px 4px rgb(78, 235,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1841, 61.1699, 11.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 235, 37) }
```

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

```
.background{ background-color: rgb(78, 235,  
37) }
```

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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