

Converting Colors

XYZ(33.0127, 60.7777, 17.8251)

Have a look what the booklet for
XYZ(33.0127, 60.7777, 17.8251)
contains.

XYZ(33.1180, 61.0028, 17.8138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1180, 61.0028,
17.8138)**

Conversions

Conversions Part 1

Format	Color
Hex	3DEB51
RGB	61, 235, 81
RGB Percent	24%, 92%, 32%
CMY	0.7608, 0.0784, 0.6823
CMYK	0.74, 0.00, 0.66, 0.08
HSL	127°, 81%, 58%
HSV	127°, 74%, 92%
XYZ	33.1180, 61.0028, 17.8138
YIQ	165.4180, -54.2700, -84.7820

Conversions

Conversions Part 2

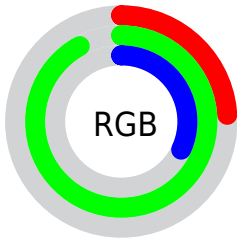
Format	Color
RYB	61, 217, 235
Decimal	4057937
CIELab	82.38, -72.21, 60.24
CIELCh	82, 94.037, 140.167
Yxy	61.0028, 0.2959, 0.5450
Android (android.graphics.Color)	4282248017 (0xFF3DEB51)
YUV	165.4180, -41.6181, -91.5746
Hunter-Lab	78.1043, -60.9944, 41.1503

Details

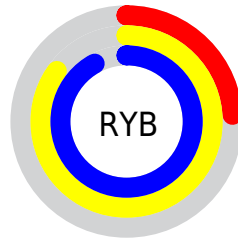
The XYZ color **33.1180, 61.0028, 17.8138** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **48.1970, 25.9068, 66.7507**, and the grayscale version is **36.1791, 38.0632, 41.4508**.

A 20% lighter version of the original color is **49.8768, 78.2841, 35.7741**, and **16.0216, 31.8813, 5.8396** is the 20% darker color. If you saturate the color by 10%, you get **31.3116, 60.1501, 14.2634**, and if you desaturate by 10%, it is **35.7993, 62.2825, 22.6543**.

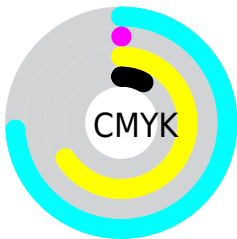
Distribution



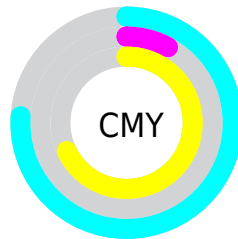
- Red (24%)
- Green (92%)
- Blue (32%)



- Red (24%)
- Yellow (85%)
- Blue (92%)



- Cyan (74%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)



- Cyan (76%)
- Magenta (8%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1180, 61.0028, 17.8138 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 33.1180, 61.0028, 17.8138 by changing the saturation by 10% instead.

■ 33.1180, 61.0028,
17.8138

■ 33.1180, 61.0028,
17.8138

307.8367,
428.2843, 252.0202

■ 22.3765, 44.2274,
10.6483

■ 63.9132, 106.2830,
40.5294

■ 14.2520, 30.8493,
5.7197

■ 84.6976, 135.5566,
56.9167

■ 8.3790, 20.4842,
2.6094

■ 109.5603,
169.7651, 77.2149

■ 4.3922, 12.7475,
0.8973

■ 138.8667,
209.2928, 101.8427

■ 1.9263, 7.2549,
0.0000

172.9823,
254.5242, 131.2186

■ 0.5921, 3.6220,
0.0000

212.2722,

■ 0.0000, 1.4645,

305.8436, 165.7611

0.0000

257.1019,
363.6355, 205.8888

■ 0.0000, 0.2635,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1180, 61.0028,
17.8138

■ 33.1180, 61.0028,
17.8138

■ 31.3116, 60.1501,
14.2634

■ 35.7993, 62.2825,
22.6543


■ 30.2636, 59.6616,
11.8758


■ 39.4444, 64.0274,
28.8883


■ 29.9075, 59.4982,
10.9459


■ 44.1360, 66.2799,
36.6134

■ 49.9466, 69.0755,
45.9172

 56.9422, 72.4464,
56.8807

 65.1837, 76.4225,
69.5792

 74.7278, 81.0316,
84.0834

 85.6277, 86.2995,
100.4602

 88.9995, 87.8990,
106.8832

Harmonies

Analogous

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



45.6734, 61.0028, 7.3272



33.1180, 61.0028, 17.8138



27.6742, 61.0028, 49.2862

Triad

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



33.1180, 61.0028, 17.8138



51.6405, 61.0028, 245.5553



102.2499, 61.0028, 35.1510

Complementary

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



33.1180, 61.0028, 17.8138



48.1970, 25.9068, 66.7507

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.



104.8975, 61.0028, 87.1292



33.1180, 61.0028, 17.8138



72.3227, 61.0028, 233.4460

Square

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



33.1180, 61.0028, 17.8138



36.6168, 61.0028, 192.4959



92.9332, 61.0028, 165.2869



86.3652, 61.0028, 12.5794

Rectangle

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



33.1180, 61.0028, 17.8138



27.6981, 61.0028, 87.8933



92.9332, 61.0028, 165.2869



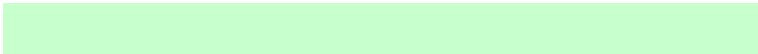
104.8393, 61.0028, 48.7669

Sweetspot

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



33.1195, 61.0053, 17.8152



70.3483, 88.0731, 71.2710



59.3470, 74.6004, 15.6865



14.5184, 18.5913, 14.4184



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.



33.1195, 61.0053, 17.8152



36.9094, 72.0352, 15.4662



38.4624, 63.1425, 45.9505



14.9387, 16.8903, 16.3602



16.6677, 33.1215, 6.2151



1.3320, 2.6101, 0.6104

Inverse Universe

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



48.1970, 25.9068, 66.7507



55.7867, 27.7450, 76.4777



40.0010, 22.6284, 23.5912



15.6359, 15.2822, 18.6339



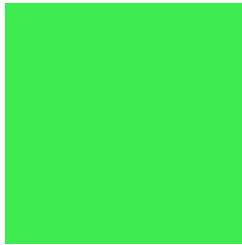
25.4337, 12.3762, 34.4146



2.0184, 0.9803, 2.8140

Previews

White Background



This preview shows how the XYZ color 33.1180, 61.0028, 17.8138 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 33.1180, 61.0028, 17.8138 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 33.1180, 61.0028, 17.8138

Background



This preview shows how black text looks on a background with the XYZ color 33.1180, 61.0028, 17.8138.

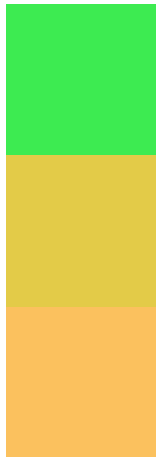


This preview shows how white text looks on a background with the XYZ color 33.1180, 61.0028,

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

33.1180, 61.0028, 17.8138

Protanopia

54.2042, 59.5106, 14.7607

Deuteranopia

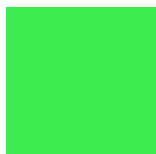
60.8740, 59.4573, 18.8577



Tritanopia

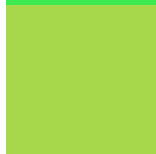
47.4562, 60.6744, 90.0991

Trichromacy



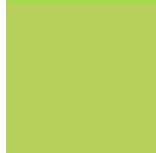
Original Color

33.1180, 61.0028, 17.8138



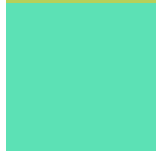
Protanomaly

41.5068, 57.3244, 15.5337



Deuteranomaly

43.6505, 55.7781, 17.9168



Tritanomaly

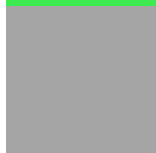
39.6793, 59.4619, 53.1020

Monochromacy



Original Color

33.1180, 61.0028, 17.8138



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.4689, 43.0602, 29.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1180, 61.0028, 17.8138 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(61, 235, 81)` looks like.

```
.text, #text, p{  
    color:rgb(61, 235, 81)  
}
```

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(61, 235, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 235, 81) }
```

Border

The CSS property to change the border of an element to XYZ 33.1180, 61.0028, 17.8138 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(61, 235, 81) }
```


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

```
.border{ border-color:rgb(61, 235, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 235, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 235, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 235, 81);  
box-shadow:4px 4px 4px 4px rgb(61, 235,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1180, 61.0028, 17.8138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 235, 81) }
```

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

```
.background{ background-color: rgb(61, 235,  
81) }
```

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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