

Converting Colors

XYZ(33.0242, 60.5707, 27.6094)

Have a look what the booklet for
XYZ(33.0242, 60.5707, 27.6094)
contains.

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Color

**XYZ(33.1611, 60.8050,
27.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	05EB78
RGB	5, 235, 120
RGB Percent	2%, 92%, 47%
CMY	0.9803, 0.0784, 0.5294
CMYK	0.98, 0.00, 0.49, 0.08
HSL	150°, 96%, 47%
HSV	150°, 98%, 92%
XYZ	33.1611, 60.8050, 27.7581
YIQ	153.1200, -100.1650, -84.5250

Conversions

Conversions Part 2

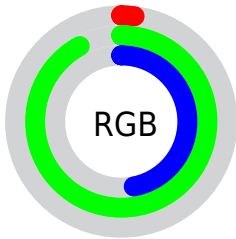
Format	Color
RYB	5, 158, 235
Decimal	387960
CIELab	82.27, -71.60, 42.62
CIELCh	82, 83.327, 149.236
Yxy	60.8050, 0.2724, 0.4995
Android (android.graphics.Color)	4278578040 (0xFF05EB78)
YUV	153.1200, -16.3282, -129.9012
Hunter-Lab	77.9776, -60.5510, 33.4785

Details

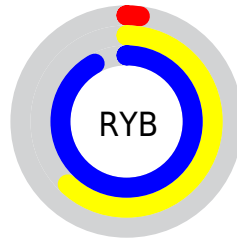
The XYZ color **33.1611, 60.8050, 27.7581** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.7078, 19.1282, 19.4791**, and the grayscale version is **30.4335, 32.0185, 34.8681**.

A 20% lighter version of the original color is **49.9555, 77.9555, 52.4584**, and **16.9638, 32.2581, 10.8012** is the 20% darker color. If you saturate the color by 10%, you get **32.9496, 60.7150, 26.9653**, and if you desaturate by 10%, it is **34.3506, 61.3324, 31.7695**.

Distribution



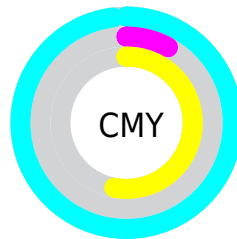
- Red (2%)
- Green (92%)
- Blue (47%)



- Red (2%)
- Yellow (62%)
- Blue (92%)



- Cyan (98%)
- Magenta (0%)
- Yellow (49%)
- Black (8%)





- Cyan (98%)
- Magenta (8%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1611, 60.8050, 27.7581 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 33.1611, 60.8050, 27.7581 by changing the saturation by 10% instead.


 33.1611, 60.8050,
27.7581


 33.1611, 60.8050,
27.7581


308.0272,
427.5587, 305.1847


 22.4097, 44.0678,
17.9059


 63.9800, 105.9965,
57.1164

 14.2765, 30.7238,
10.7137


 84.7781, 135.2197,
77.4597


 8.3962, 20.3886,
5.7629

 109.6560,
169.3736, 102.1371

 4.4035, 12.6779,
2.6350

 138.9788,
208.8427, 131.5671

 1.9328, 7.2071,
0.9105

 173.1120,
254.0114, 166.1684

 0.5958, 3.5920,
0.0000

212.4209,

 0.0000, 1.4480,

305.2640, 206.3594

0.0000

257.2708,
362.9849, 252.5586

■ 0.0000, 0.2517,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1611, 60.8050,
27.7581

■ 33.1611, 60.8050,
27.7581


■ 32.9496, 60.7150,
26.9653


■ 34.3506, 61.3324,
31.7695

■ 36.1228, 62.1480,
36.2795


■ 38.5896, 63.3109,
41.3094


■ 41.8326, 64.8628,
46.8774

 45.9211, 66.8393,
53.0003

 50.9166, 69.2715,
59.6942

 56.8744, 72.1879,
66.9742

 63.8454, 75.6144,
74.8551

 71.8766, 79.5749,
83.3508

Harmonies

Analogous

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



42.6847, 60.8050, 12.3166



33.1611, 60.8050, 27.7581



29.9582, 60.8050, 64.9126

Triad

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



33.1611, 60.8050, 27.7581



57.3398, 60.8050, 219.7760



92.9560, 60.8050, 29.0409

Complementary

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



33.1611, 60.8050, 27.7581



37.7078, 19.1282, 19.4791

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.



99.0444, 60.8050, 67.5171



33.1611, 60.8050, 27.7581



76.1029, 60.8050, 193.2515

Square

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



33.1611, 60.8050, 27.7581



42.0444, 60.8050, 190.6040



92.3332, 60.8050, 129.7905



77.0530, 60.8050, 12.7459

Rectangle

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



33.1611, 60.8050, 27.7581



31.2019, 60.8050, 103.8832



92.3332, 60.8050, 129.7905



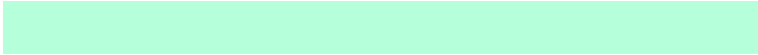
96.3467, 60.8050, 38.9577

Sweetspot

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



33.1626, 60.8075, 27.7595



67.4857, 86.4130, 79.4679



38.0264, 63.7033, 10.4358



13.7698, 18.1653, 16.1954



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.



33.1626, 60.8075, 27.7595



39.6230, 73.0652, 32.2622



44.2202, 65.2305, 85.9880



15.1824, 16.9878, 17.6435



18.4017, 33.8152, 15.3464



1.4935, 2.6747, 1.4608

Inverse Universe

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



37.7078, 19.1282, 19.4791



45.1039, 22.8056, 22.2771



34.3652, 17.7911, 1.8769



15.3796, 15.1797, 17.2843



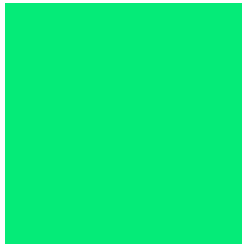
20.9359, 10.5770, 10.7297



1.6925, 0.8500, 1.0983

Previews

White Background



This preview shows how the XYZ color 33.1611, 60.8050, 27.7581 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 33.1611, 60.8050, 27.7581 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 33.1611, 60.8050, 27.7581

Background



This preview shows how black text looks on a background with the XYZ color 33.1611, 60.8050, 27.7581.



This preview shows how white text looks on a background with the XYZ color 33.1611, 60.8050,

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

33.1611, 60.8050, 27.7581

Protanopia

54.5477, 59.5040, 23.0784

Deuteranopia

60.6293, 59.4284, 29.3944



Tritanopia

46.0659, 60.7075, 91.7279

Trichromacy



Original Color

33.1611, 60.8050, 27.7581



Protanomaly

38.7827, 55.7224, 24.3342



Deuteranomaly

40.4710, 54.2754, 28.0818



Tritanomaly

39.2365, 59.8535, 61.7095

Monochromacy



Original Color

33.1611, 60.8050, 27.7581



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.8868, 38.4427, 31.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1611, 60.8050, 27.7581 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(5, 235, 120)` looks like.

```
.text, #text, p{  
    color:rgb(5, 235, 120)  
}
```

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(5, 235, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 235, 120) }
```

Border

The CSS property to change the border of an element to XYZ 33.1611, 60.8050, 27.7581 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(5, 235, 120) }
```


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

```
.border{ border-color:rgb(5, 235, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 235, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 235, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 235, 120);  
box-shadow:4px 4px 4px 4px rgb(5, 235,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1611, 60.8050, 27.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 235, 120) }
```

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

```
.background{ background-color: rgb(5, 235,  
120) }
```

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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