

Converting Colors

XYZ(19.2329, 33.2705, 11.0638)

Have a look what the booklet for
XYZ(19.2329, 33.2705, 11.0638)
contains.

XYZ(19.1111, 33.0672, 11.0056)	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(19.1111, 33.0672,
11.0056)**

Conversions

Conversions Part 1

Format	Color
Hex	43B145
RGB	67, 177, 69
RGB Percent	26%, 69%, 27%
CMY	0.7372, 0.3059, 0.7294
CMYK	0.62, 0.00, 0.61, 0.31
HSL	121°, 45%, 48%
HSV	121°, 62%, 69%
XYZ	19.1111, 33.0672, 11.0056
YIQ	131.7980, -30.8920, -56.9080

Conversions

Conversions Part 2

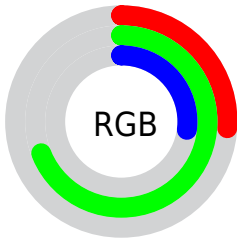
Format	Color
RYB	67, 175, 177
Decimal	4436293
CIELab	64.22, -52.83, 45.14
CIELCh	64, 69.490, 139.491
Yxy	33.0672, 0.3025, 0.5233
Android (android.graphics.Color)	4282626373 (0xFF43B145)
YUV	131.7980, -30.9594, -56.8278
Hunter-Lab	57.5041, -41.3089, 28.9055

Details

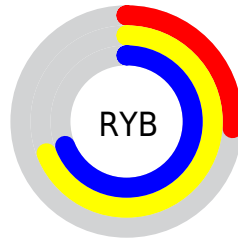
The XYZ color **19.1111, 33.0672, 11.0056** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **27.8774, 16.4572, 42.2655**, and the grayscale version is **21.9761, 23.1206, 25.1783**.

A 20% lighter version of the original color is **41.6264, 64.7381, 28.3909**, and **7.1622, 14.1976, 2.7784** is the 20% darker color. If you saturate the color by 10%, you get **17.6154, 32.3506, 8.5206**, and if you desaturate by 10%, it is **21.1372, 34.0409, 14.3414**.

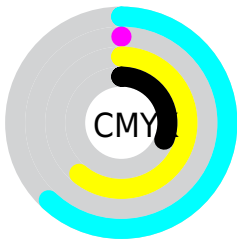
Distribution



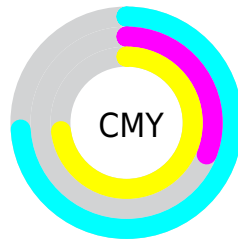
- Red (26%)
- Green (69%)
- Blue (27%)



- Red (26%)
- Yellow (69%)
- Blue (69%)



- Cyan (62%)
- Magenta (0%)
- Yellow (61%)
- Black (31%)



- Cyan (74%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1111, 33.0672, 11.0056 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 19.1111, 33.0672, 11.0056 by changing the saturation by 10% instead.

■ 19.1111, 33.0672,
11.0056

■ 19.1111, 33.0672,
11.0056

239.9878,
315.9524, 208.4448

■ 11.8551, 22.1779,
5.9564

■ 41.4372, 64.4804,
28.3073

■ 6.7166, 13.9877,
2.7502

■ 57.2379, 85.7732,
41.3969

■ 3.3302, 8.1121,
0.9686

■ 76.6176, 111.3025,
58.0037

■ 1.3307, 4.1668,
0.0000

■ 99.9416, 141.4529,
78.5463

■ 0.2060, 1.7673,
0.0000

■ 127.5753,
176.6087, 103.4431

■ 0.0000, 0.4667,
0.0000

159.8839,

■ 0.0000, 0.0000,

217.1543, 133.1128

0.0000

197.2330,
263.4741, 167.9738

■ 19.1111, 33.0672,
11.0056

■ 19.1111, 33.0672,
11.0056

■ 17.6154, 32.3506,
8.5206

■ 21.1372, 34.0409,
14.3414

■ 16.5984, 31.8632,
6.8075

■ 23.7345, 35.2885,
18.5932

■ 16.0025, 31.5781,
5.7767

■ 26.9424, 36.8298,
23.8224

■ 15.7404, 31.4526,
5.3338

■ 30.7963, 38.6820,
30.0844

■ 35.3289, 40.8607,
37.4305

■ 40.5707, 43.3807,
45.9087

■ 46.5501, 46.2557,
55.5639

■ 53.2942, 49.4987,
66.4387

■ 60.8287, 53.1221,
78.5735

Harmonies

Analogous

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



25.5211, 33.0672, 5.2501



19.1111, 33.0672, 11.0056



16.2366, 33.0672, 26.9854

Triad

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



19.1111, 33.0672, 11.0056



28.0982, 33.0672, 120.0679



52.8917, 33.0672, 20.7626

Complementary

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



19.1111, 33.0672, 11.0056



27.8774, 16.4572, 42.2655

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.



53.9858, 33.0672, 46.8380



19.1111, 33.0672, 11.0056



38.1857, 33.0672, 115.2245

Square

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



19.1111, 33.0672, 11.0056



20.6571, 33.0672, 95.0373



48.1508, 33.0672, 84.0148



45.4156, 33.0672, 8.4976

Rectangle

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



19.1111, 33.0672, 11.0056



16.1990, 33.0672, 45.7153



48.1508, 33.0672, 84.0148



54.0698, 33.0672, 27.7766

Sweetspot

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



19.1119, 33.0686, 11.0063



57.3184, 70.3162, 57.3904



34.4533, 40.9844, 11.4054



11.9571, 15.0153, 11.6835



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.1119, 33.0686, 11.0063



30.6957, 57.5283, 13.8318



21.6653, 34.0900, 24.4525



8.3950, 9.4925, 9.0740



11.4065, 22.7886, 3.8774



0.3610, 0.7178, 0.1329

Inverse Universe

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



27.8774, 16.4572, 42.2655



47.7327, 25.2151, 74.5677



23.5399, 14.7222, 19.4241



8.8432, 8.6440, 10.6729



18.6593, 8.9813, 29.6955



0.5892, 0.2834, 0.9454

Previews

White Background



This preview shows how the XYZ color 19.1111, 33.0672, 11.0056 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 19.1111, 33.0672, 11.0056 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 19.1111, 33.0672, 11.0056

Background



This preview shows how black text looks on a background with the XYZ color 19.1111, 33.0672, 11.0056.



This preview shows how white text looks on a background with the XYZ color 19.1111, 33.0672,

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

19.1111, 33.0672, 11.0056

Protanopia

29.6041, 32.5611, 9.2821

Deuteranopia

33.0441, 32.3646, 11.7131



Tritanopia

26.3890, 32.9068, 47.6086

Trichromacy



Original Color

19.1111, 33.0672, 11.0056



Protanomaly

23.8828, 31.6444, 9.8502



Deuteranomaly

25.1739, 30.9815, 11.3098



Tritanomaly

22.6911, 32.4983, 29.5030

Monochromacy



Original Color

19.1111, 33.0672, 11.0056



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.5346, 25.4721, 18.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1111, 33.0672, 11.0056 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(67, 177, 69)` looks like.

```
.text, #text, p{  
    color:rgb(67, 177, 69)  
}
```

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(67, 177, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 177, 69) }
```

Border

The CSS property to change the border of an element to XYZ 19.1111, 33.0672, 11.0056 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(67, 177, 69) }
```


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

```
.border{ border-color:rgb(67, 177, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 177, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 177, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 177, 69);  
box-shadow:4px 4px 4px 4px rgb(67, 177,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1111, 33.0672, 11.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 177, 69) }
```

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

```
.background{ background-color: rgb(67, 177,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor