

Converting Colors

XYZ(33.3774, 64.4449, 11.0314)

Have a look what the booklet for
XYZ(33.3774, 64.4449, 11.0314)
contains.

XYZ(33.2867, 64.2877, 11.0022)	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(33.2867, 64.2877,
11.0022)**

Conversions

Conversions Part 1

Format	Color
Hex	35F20C
RGB	53, 242, 12
RGB Percent	21%, 95%, 5%
CMY	0.7922, 0.0510, 0.9528
CMYK	0.78, 0.00, 0.95, 0.05
HSL	109°, 91%, 50%
HSV	109°, 95%, 95%
XYZ	33.2867, 64.2877, 11.0022
YIQ	159.2690, -38.8140, -111.5980

Conversions

Conversions Part 2

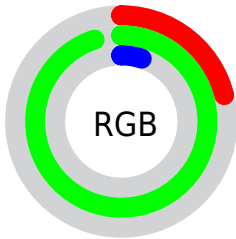
Format	Color
R _Y B	12, 242, 201
Decimal	3535372
CIE Lab	84.12, -79.10, 79.46
CIE LCh	84, 112.115, 134.869
Yxy	64.2877, 0.3066, 0.5921
Android (android.graphics.Color)	4281725452 (0xFF35F20C)
YUV	159.2690, -72.6036, -93.1979
Hunter-Lab	80.1796, -66.2097, 47.9900

Details

The XYZ color **33.2867, 64.2877, 11.0022** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **40.2564, 19.0972, 85.5722**, and the grayscale version is **33.4159, 35.1562, 38.2851**.

A 20% lighter version of the original color is **47.2515, 77.2158, 22.7697**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **32.7544, 64.0229, 10.6313**, and if you desaturate by 10%, it is **34.8147, 65.0478, 12.4082**.

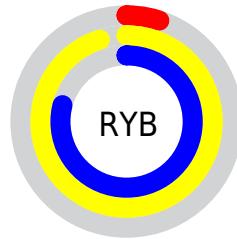
Distribution



Red (21%)

Green (95%)

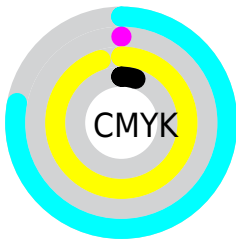
Blue (5%)



Red (5%)

Yellow (95%)

Blue (79%)

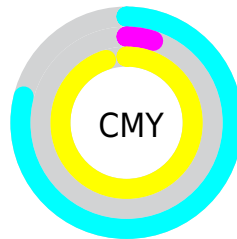


Cyan (78%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (79%)


Magenta (5%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2867, 64.2877, 11.0022 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 33.2867, 64.2877, 11.0022 by changing the saturation by 10% instead.


 33.2867, 64.2877,
11.0022


 33.2867, 64.2877,
11.0022


308.5818,
440.2278, 208.4206

 22.5065, 46.8837,
5.9541


 64.1746, 111.0252,
28.3009

 14.3482, 32.9438,
2.7489


 85.0129, 141.1275,
41.3887


 8.4466, 22.0834,
0.9679


 109.9346,
176.2313, 57.9934

 4.4362, 13.9182,
0.0000

 139.3051,
216.7211, 78.5337

 1.9517, 8.0638,
0.0000

 173.4897,
262.9813, 103.4280

 0.6066, 4.1358,
0.0000

 212.8538,

 0.0000, 1.7498,

315.3962, 133.0949

0.0000

257.7627,
374.3502, 167.9529

■ 0.0000, 0.4556,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2867, 64.2877,
11.0022

■ 33.2867, 64.2877,
11.0022

■ 32.7544, 64.0229,
10.6313

■ 34.8147, 65.0478,
12.4082

■ 37.0723, 66.1533,
15.1500

■ 40.1459, 67.6456,
19.4590

■ 44.1078, 69.5580,
25.5222

■ 49.0219, 71.9198,
33.5005

■ 54.9462, 74.7578,
43.5367

■ 61.9337, 78.0967,
55.7599

■ 70.0338, 81.9593,
70.2886

■ 79.2929, 86.3671,
87.2328

Harmonies

Analogous

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



49.6792, 64.2877, 3.6102



33.2867, 64.2877, 11.0022



25.6958, 64.2877, 40.0903

Triad

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



33.2867, 64.2877, 11.0022



49.4959, 64.2877, 301.4729



119.6601, 64.2877, 40.5079

Complementary

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



33.2867, 64.2877, 11.0022



40.2564, 19.0972, 85.5722

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.



119.5718, 64.2877, 111.9790



33.2867, 64.2877, 11.0022



74.1573, 64.2877, 301.9010

Square

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



33.2867, 64.2877, 11.0022



33.1839, 64.2877, 217.0503



101.2370, 64.2877, 217.9910



101.4531, 64.2877, 11.1314

Rectangle

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



33.2867, 64.2877, 11.0022



24.8744, 64.2877, 82.2247



101.2370, 64.2877, 217.9910



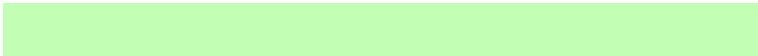
121.9011, 64.2877, 59.0484

Sweetspot

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



33.2882, 64.2904, 11.0036



66.4113, 86.3572, 56.9113



57.3039, 60.1403, 8.9368



13.5078, 18.1461, 10.9489



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.



33.2882, 64.2904, 11.0036



36.8611, 72.0876, 11.9715



33.5395, 64.2389, 19.1960



15.8285, 17.7917, 16.7496



17.6754, 34.4336, 5.7148



1.5441, 2.9025, 0.4789

Inverse Universe

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



40.2564, 19.0972, 85.5722



44.5068, 20.8590, 96.2882



43.9296, 22.0130, 39.5581



16.1620, 15.8807, 19.9351



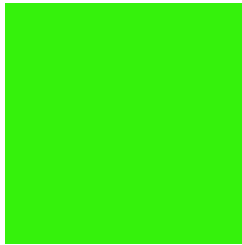
21.3524, 10.0129, 45.9352



1.8478, 0.8698, 3.8247

Previews

White Background



This preview shows how the XYZ color 33.2867, 64.2877, 11.0022 looks on a white background.

Color Contrast Check

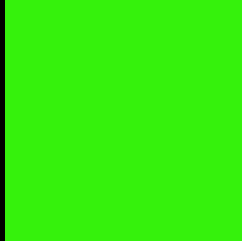
Large Text (above 18pt) WCAG AA × Fail

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 33.2867, 64.2877, 11.0022 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 33.2867, 64.2877, 11.0022

Background



This preview shows how black text looks on a background with the XYZ color 33.2867, 64.2877, 11.0022.



This preview shows how white text looks on a background with the XYZ color 33.2867, 64.2877,

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

33.2867, 64.2877, 11.0022

Protanopia

56.4876, 62.6042, 9.1066

Deuteranopia

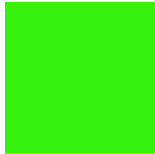
63.4099, 62.4385, 19.0657



Tritanopia

49.7850, 63.7662, 94.4782

Trichromacy



Original Color

33.2867, 64.2877, 11.0022



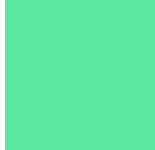
Protanomaly

41.7636, 59.5200, 9.4022



Deuteranomaly

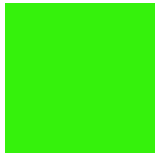
44.2634, 58.4084, 13.7915



Tritanomaly

39.1483, 61.8792, 42.6814

Monochromacy



Original Color

33.2867, 64.2877, 11.0022



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.5448, 41.4289, 20.1278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2867, 64.2877, 11.0022 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(53, 242, 12)` looks like.

```
.text, #text, p{  
    color:rgb(53, 242, 12)  
}
```

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(53, 242, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 242, 12) }
```

Border

The CSS property to change the border of an element to XYZ 33.2867, 64.2877, 11.0022 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(53, 242, 12) }
```


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

```
.border{ border-color:rgb(53, 242, 12) }
```

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

Here you see how a box with a 4 pixel rgb(53, 242, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 242, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 242, 12);  
box-shadow:4px 4px 4px 4px rgb(53, 242,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2867, 64.2877, 11.0022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 242, 12) }
```

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

```
.background{ background-color: rgb(53, 242,  
12) }
```

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