

Converting Colors

XYZ(32.8804, 62.9321, 13.7752)

Have a look what the booklet for
XYZ(32.8804, 62.9321, 13.7752)
contains.

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Color

**XYZ(33.0216, 63.2056,
13.8276)**

Conversions

Conversions Part 1

Format	Color
Hex	30F035
RGB	48, 240, 53
RGB Percent	19%, 94%, 21%
CMY	0.8118, 0.0588, 0.7921
CMYK	0.80, 0.00, 0.78, 0.06
HSL	122°, 86%, 56%
HSV	122°, 80%, 94%
XYZ	33.0216, 63.2056, 13.8276
YIQ	161.2740, -54.4050, -98.8610

Conversions

Conversions Part 2

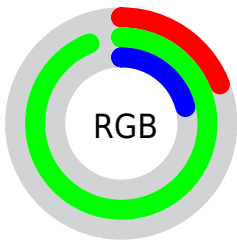
Format	Color
R_{YB}	48, 235, 240
Decimal	3207221
CIE _{Lab}	83.55, -77.60, 71.11
CIE _{LCh}	84, 105.252, 137.499
Yxy	63.2056, 0.3000, 0.5743
Android (android.graphics.Color)	4281397301 (0xFF30F035)
YUV	161.2740, -53.3791, -99.3413
Hunter-Lab	79.5019, -64.9874, 45.3392

Details

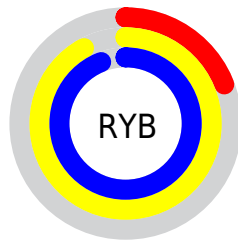
The XYZ color **33.0216, 63.2056, 13.8276** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **51.9885, 26.6379, 80.9963**, and the grayscale version is **34.2643, 36.0487, 39.2570**.

A 20% lighter version of the original color is **47.6427, 77.3014, 28.0324**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.7677, 62.6088, 11.6143**, and if you desaturate by 10%, it is **35.1517, 64.2276, 17.4519**.

Distribution



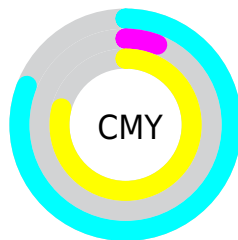
- Red (19%)
- Green (94%)
- Blue (21%)



- Red (19%)
- Yellow (92%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0216, 63.2056, 13.8276 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 33.0216, 63.2056, 13.8276 by changing the saturation by 10% instead.


 33.0216, 63.2056,
13.8276


 33.0216, 63.2056,
13.8276


307.4103,
436.3153, 227.5467

 22.3023, 46.0076,
7.8635


 63.7637, 109.4661,
33.4955


 14.1970, 32.2518,
3.9212


 84.5172, 139.2973,
48.0364


 8.3405, 21.5539,
1.5822

 109.3462,
174.1084, 66.2733

 4.3672, 13.5295,
0.2781

 138.6160,
214.2837, 88.6247

 1.9119, 7.7941,
0.0000

 172.6919,
260.2076, 115.5092

 0.5837, 3.9635,
0.0000

211.9394,

 0.0000, 1.6532,

312.2646, 147.3454

0.0000

256.7237,
370.8390, 184.5517

■ 0.0000, 0.3931,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.0216, 63.2056,
13.8276

■ 33.0216, 63.2056,
13.8276

■ 31.7677, 62.6088,
11.6143


■ 35.1517, 64.2276,
17.4519


■ 31.1957, 62.3364,
10.5677


■ 38.2738, 65.7250,
22.6639


■ 42.4907, 67.7493,
29.6194


■ 47.8911, 70.3433,
38.4544

 54.5547, 73.5456,
49.2912

 62.5544, 77.3912,
62.2422

 71.9574, 81.9126,
77.4112

 82.8265, 87.1401,
94.8953

 90.4514, 90.8027,
107.3671

Harmonies

Analogous

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



47.7390, 63.2056, 4.9244



33.0216, 63.2056, 13.8276



26.4264, 63.2056, 44.8914

Triad

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



33.0216, 63.2056, 13.8276



51.0049, 63.2056, 281.1911



112.8687, 63.2056, 37.3399

Complementary

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



33.0216, 63.2056, 13.8276



51.9885, 26.6379, 80.9963

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.



114.3944, 63.2056, 100.0246



33.0216, 63.2056, 13.8276



74.3717, 63.2056, 273.9524

Square

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



33.0216, 63.2056, 13.8276



34.8844, 63.2056, 210.7212



98.9165, 63.2056, 194.6875



95.1646, 63.2056, 11.3191

Rectangle

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



33.0216, 63.2056, 13.8276



26.0407, 63.2056, 86.6998



98.9165, 63.2056, 194.6875



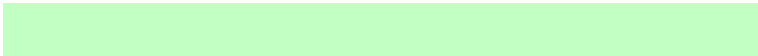
115.4269, 63.2056, 53.5849

Sweetspot

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



33.0231, 63.2082, 13.8290



67.8520, 86.9210, 65.0662



66.5546, 80.5070, 14.8279



13.8313, 18.2721, 12.8065



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.



33.0231, 63.2082, 13.8290



35.9856, 71.6250, 12.4418



37.6627, 65.0641, 38.2607



15.5826, 17.6631, 16.8250



17.0837, 34.1255, 5.8240



1.4270, 2.8413, 0.5152

Inverse Universe

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



51.9885, 26.6379, 80.9963



58.3896, 28.2970, 91.6927



41.7866, 22.5571, 27.2738



16.4354, 16.0239, 19.8491



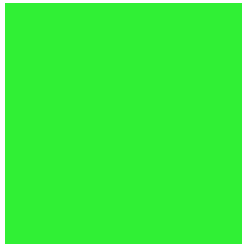
27.7891, 13.3881, 43.6675



2.3174, 1.1160, 3.6622

Previews

White Background



This preview shows how the XYZ color 33.0216, 63.2056, 13.8276 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 33.0216, 63.2056, 13.8276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

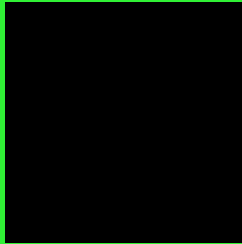
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0216, 63.2056, 13.8276

Background



This preview shows how black text looks on a background with the XYZ color 33.0216, 63.2056, 13.8276.

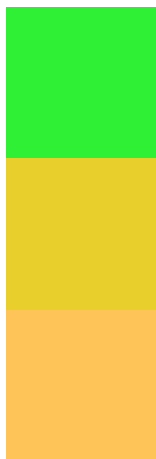


This preview shows how white text looks on a background with the XYZ color 33.0216, 63.2056,

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

33.0216, 63.2056, 13.8276

Protanopia

56.0462, 61.9633, 11.3890

Deuteranopia

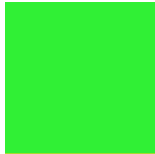
62.7002, 61.4280, 17.5690



Tritanopia

48.8670, 62.9103, 93.5717

Trichromacy



Original Color

33.0216, 63.2056, 13.8276



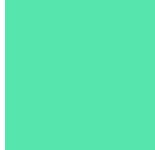
Protanomaly

41.3617, 58.8676, 11.8719



Deuteranomaly

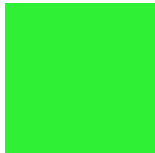
43.6359, 57.2983, 15.4164



Tritanomaly

39.6774, 61.5892, 49.3319

Monochromacy



Original Color

33.0216, 63.2056, 13.8276



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.6720, 42.2251, 24.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0216, 63.2056, 13.8276 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(48, 240, 53)` looks like.

```
.text, #text, p{  
    color:rgb(48, 240, 53)  
}
```

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(48, 240, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 240, 53) }
```

Border

The CSS property to change the border of an element to XYZ 33.0216, 63.2056, 13.8276 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(48, 240, 53) }
```


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

```
.border{ border-color:rgb(48, 240, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 240, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 240, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 240, 53);  
box-shadow:4px 4px 4px 4px rgb(48, 240,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0216, 63.2056, 13.8276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 240, 53) }
```

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

```
.background{ background-color: rgb(48, 240,  
53) }
```

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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