

Converting Colors

XYZ(33.0600, 64.1809, 10.6457)

Have a look what the booklet for
XYZ(33.0600, 64.1809, 10.6457)
contains.

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Color

**XYZ(33.0675, 64.1824,
10.6456)**

Conversions

Conversions Part 1

Format	Color
Hex	32F200
RGB	50, 242, 0
RGB Percent	20%, 95%, 0%
CMY	0.8039, 0.0510, 0.9999
CMYK	0.79, 0.00, 1.00, 0.05
HSL	108°, 100%, 47%
HSV	108°, 100%, 95%
XYZ	33.0675, 64.1824, 10.6456
YIQ	157.0040, -36.7500, -115.9660

Conversions

Conversions Part 2

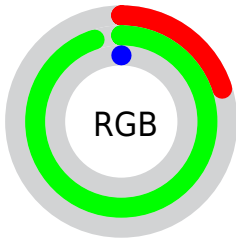
Format	Color
RYB	0, 242, 192
Decimal	3338752
CIELab	84.06, -79.63, 80.38
CIELCh	84, 113.150, 134.733
Yxy	64.1824, 0.3065, 0.5949
Android (android.graphics.Color)	4281528832 (0xFF32F200)
YUV	157.0040, -77.4030, -93.8425
Hunter-Lab	80.1139, -66.5224, 48.2012

Details

The XYZ color **33.0675, 64.1824, 10.6456** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **37.7765, 17.6235, 85.4186**, and the grayscale version is **32.4021, 34.0895, 37.1235**.

A 20% lighter version of the original color is **46.9655, 77.0835, 22.0761**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **33.0674, 64.1843, 10.6460**, and if you desaturate by 10%, it is **34.3894, 64.8465, 11.5811**.

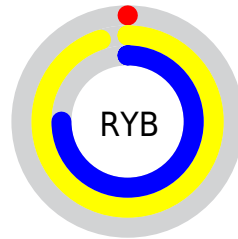
Distribution



Red (20%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (75%)

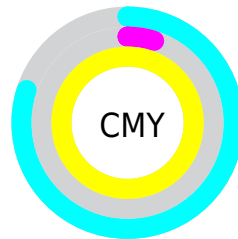


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (80%)

Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0675, 64.1824, 10.6456 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 33.0675, 64.1824, 10.6456 by changing the saturation by 10% instead.


 33.0675, 64.1824,
10.6456


 33.0675, 64.1824,
10.6456


307.6134,
439.8480, 205.8691

 22.3376, 46.7984,
5.7179


 63.8349, 110.8736,
27.6295

 14.2232, 32.8763,
2.6083


 84.6031, 140.9496,
40.5228


 8.3588, 22.0317,
0.8967

 109.4482,
176.0250, 56.9083

 4.3791, 13.8802,
0.0000

 138.7354,
216.4843, 77.2047

 1.9188, 8.0374,
0.0000

 172.8302,
262.7119, 101.8304

 0.5877, 4.1189,
0.0000

 212.0979,

 0.0000, 1.7403,

315.0921, 131.2040

0.0000

256.9038,
374.0093, 165.7441

■ 0.0000, 0.4495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.0675, 64.1824,
10.6456

■ 33.0675, 64.1824,
10.6456

■ 33.0674, 64.1843,
10.6460

■ 34.3894, 64.8465,
11.5811

■ 36.3590, 65.8185,
13.6316

■ 39.0809, 67.1468,
17.1411

■ 42.6279, 68.8646,
22.3148

■ 47.0637, 71.0007,
29.3250

■ 52.4452, 73.5814,
38.3226

■ 58.8245, 76.6305,
49.4427

■ 66.2497, 80.1702,
62.8088

■ 74.7659, 84.2212,
78.5347

Harmonies

Analogous

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



49.5899, 64.1824, 3.4176



33.0675, 64.1824, 10.6456



25.4191, 64.1824, 39.5690

Triad

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



33.0675, 64.1824, 10.6456



49.2139, 64.1824, 304.1686



120.2152, 64.1824, 40.4235

Complementary

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



33.0675, 64.1824, 10.6456



37.7765, 17.6235, 85.4186

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.



120.0330, 64.1824, 112.7052



33.0675, 64.1824, 10.6456



74.0462, 64.1824, 305.0549

Square

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



33.0675, 64.1824, 10.6456



32.8573, 64.1824, 218.2043



101.4178, 64.1824, 220.1486



101.8632, 64.1824, 10.9065

Rectangle

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



33.0675, 64.1824, 10.6456



24.5746, 64.1824, 81.8537



101.4178, 64.1824, 220.1486



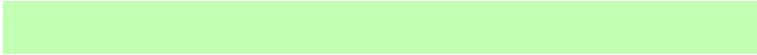
122.4528, 64.1824, 59.1416

Sweetspot

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



33.0690, 64.1851, 10.6470



66.1705, 86.2631, 55.5461



54.9418, 55.5223, 7.8221



13.4840, 18.1395, 10.6937



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.



33.0690, 64.1851, 10.6470



37.2101, 72.2676, 11.9879



32.8155, 63.9318, 16.1747



15.8708, 17.8136, 16.7516



17.8536, 34.5254, 5.7231



1.5649, 2.9132, 0.4798

Inverse Universe

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



37.7765, 17.6235, 85.4186



42.5006, 19.8248, 96.1943



44.2060, 21.9132, 41.6617



16.1160, 15.8570, 19.9329



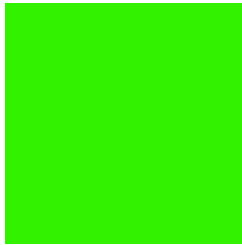
20.4086, 9.5264, 45.8910



1.7773, 0.8335, 3.8214

Previews

White Background



This preview shows how the XYZ color 33.0675, 64.1824, 10.6456 looks on a white background.

Color Contrast Check

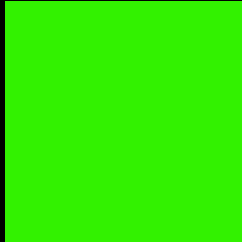
Large Text (above 18pt) WCAG AA × Fail

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 33.0675, 64.1824, 10.6456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

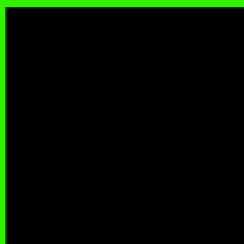
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0675, 64.1824, 10.6456

Background



This preview shows how black text looks on a background with the XYZ color 33.0675, 64.1824, 10.6456.



This preview shows how white text looks on a background with the XYZ color 33.0675, 64.1824,

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

33.0675, 64.1824, 10.6456

Protanopia

56.4876, 62.6042, 9.1066

Deuteranopia

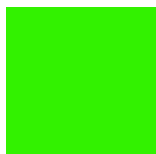
63.3659, 62.4209, 18.8339



Tritanopia

49.6584, 63.7010, 94.4723

Trichromacy



Original Color

33.0675, 64.1824, 10.6456



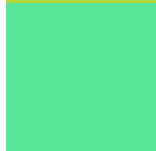
Protanomaly

41.5295, 59.4019, 9.2769



Deuteranomaly

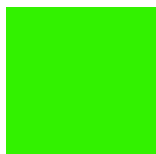
43.6584, 58.1122, 13.0534



Tritanomaly

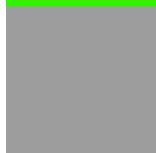
38.6121, 61.6422, 40.8734

Monochromacy



Original Color

33.0675, 64.1824, 10.6456



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.7547, 40.7381, 18.4570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0675, 64.1824, 10.6456 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(50, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 242, 0)  
}
```

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(50, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0675, 64.1824, 10.6456 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(50, 242, 0) }
```


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

```
.border{ border-color:rgb(50, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(50, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 242, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0675, 64.1824, 10.6456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 242, 0) }
```

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

```
.background{ background-color: rgb(50, 242,  
0) }
```

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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