

Converting Colors

XYZ(33.7050, 64.4229, 14.4254)

Have a look what the booklet for
XYZ(33.7050, 64.4229, 14.4254)
contains.

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Color

**XYZ(33.6849, 64.4182,
14.4000)**

Conversions

Conversions Part 1

Format	Color
Hex	30F238
RGB	48, 242, 56
RGB Percent	19%, 95%, 22%
CMY	0.8118, 0.0510, 0.7804
CMYK	0.80, 0.00, 0.77, 0.05
HSL	122°, 88%, 57%
HSV	122°, 80%, 95%
XYZ	33.6849, 64.4182, 14.4000
YIQ	162.7900, -55.9180, -98.9740

Conversions

Conversions Part 2

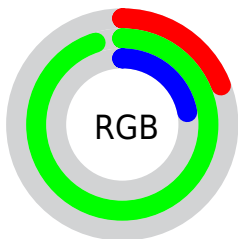
Format	Color
RYB	48, 234, 242
Decimal	3207736
CIELab	84.18, -77.99, 70.83
CIELCh	84, 105.352, 137.753
Yxy	64.4182, 0.2994, 0.5726
Android (android.graphics.Color)	4281397816 (0xFF30F238)
YUV	162.7900, -52.6475, -100.6708
Hunter-Lab	80.2609, -65.5416, 45.5452

Details

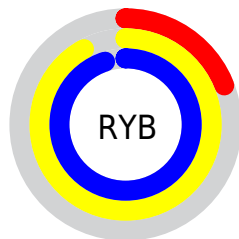
The XYZ color **33.6849, 64.4182, 14.4000** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.5273, 26.9323, 80.2697**, and the grayscale version is **34.9748, 36.7962, 40.0710**.

A 20% lighter version of the original color is **47.9656, 77.4481, 28.9439**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **32.3972, 63.8073, 12.0332**, and if you desaturate by 10%, it is **35.8599, 65.4599, 18.1823**.

Distribution



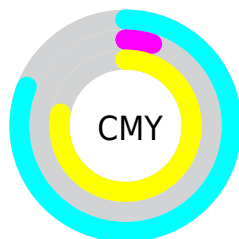
- Red (19%)
- Green (95%)
- Blue (22%)



- Red (19%)
- Yellow (92%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (77%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6849, 64.4182, 14.4000 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 33.6849, 64.4182, 14.4000 by changing the saturation by 10% instead.

 33.6849, 64.4182,
14.4000


 33.6849, 64.4182,
14.4000


310.3354,
440.6983, 231.2196


 22.8134, 46.9895,
8.2575


 64.7909, 111.2130,
34.5244


 14.5757, 33.0273,
4.1700

 85.7561, 141.3479,
49.3433


 8.6065, 22.1474,
1.7191


 110.8166,
176.4869, 67.8915

 4.5405, 13.9652,
0.3738

 140.3377,
217.0145, 90.5874

 2.0122, 8.0965,
0.0000

 174.6848,
263.3150, 117.8497

 0.6408, 4.1568,
0.0000

214.2232,

 0.0000, 1.7616,

315.7729, 150.0967

0.0000

259.3183,
374.7725, 187.7472

■ 0.0000, 0.4631,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6849, 64.4182,
14.4000

■ 33.6849, 64.4182,
14.4000

■ 32.3972, 63.8073,
12.0332


■ 35.8599, 65.4599,
18.1823

■ 31.8082, 63.5288,
10.8726


■ 39.0384, 66.9830,
23.5491


■ 43.3239, 69.0395,
30.6505


■ 48.8058, 71.6727,
39.6181

 55.5642, 74.9214,
50.5706

 63.6727, 78.8211,
63.6170

 73.1988, 83.4045,
78.8584

 84.2059, 88.7022,
96.3893

 91.0434, 91.9869,
107.5645

Harmonies

Analogous

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



48.5548, 64.4182, 5.1638



33.6849, 64.4182, 14.4000



27.0456, 64.4182, 46.2858

Triad

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



33.6849, 64.4182, 14.4000



52.2048, 64.4182, 285.1710



114.5916, 64.4182, 37.8342

Complementary

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



33.6849, 64.4182, 14.4000



52.5273, 26.9323, 80.2697

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.



116.2919, 64.4182, 101.0401



33.6849, 64.4182, 14.4000



75.9333, 64.4182, 277.1204

Square

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



33.6849, 64.4182, 14.4000



35.7701, 64.4182, 214.4960



100.7523, 64.4182, 196.6500



96.5692, 64.4182, 11.5744

Rectangle

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



33.6849, 64.4182, 14.4000



26.6931, 64.4182, 88.9172



100.7523, 64.4182, 196.6500



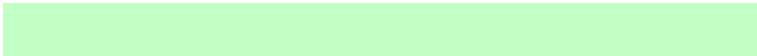
117.2304, 64.4182, 54.2127

Sweetspot

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



33.6864, 64.4209, 14.4015



67.9578, 86.9633, 65.6231



66.7257, 81.4741, 15.0057



13.8558, 18.2819, 12.9354



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.



33.6864, 64.4209, 14.4015



36.0167, 71.6374, 12.6052



38.5965, 66.3849, 40.2578



15.5923, 17.6670, 16.8762



17.0990, 34.1316, 5.9045



1.4317, 2.8431, 0.5398

Inverse Universe

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



52.5273, 26.9323, 80.2697



57.8163, 28.0677, 88.6734



42.3028, 22.8425, 26.4281



16.4244, 16.0195, 19.7913



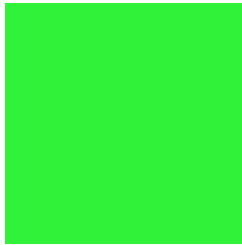
27.5101, 13.2765, 42.1984



2.2973, 1.1080, 3.5563

Previews

White Background



This preview shows how the XYZ color 33.6849, 64.4182, 14.4000 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 33.6849, 64.4182, 14.4000 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 33.6849, 64.4182, 14.4000

Background



This preview shows how black text looks on a background with the XYZ color 33.6849, 64.4182, 14.4000.

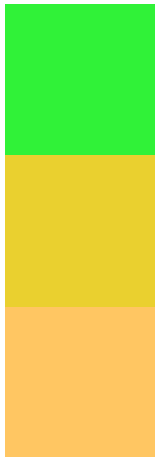


This preview shows how white text looks on a background with the XYZ color 33.6849, 64.4182,

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

33.6849, 64.4182, 14.4000

Protanopia

57.0006, 62.8094, 11.8085

Deuteranopia

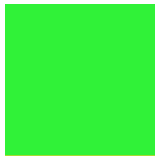
63.6387, 62.5300, 20.2707



Tritanopia

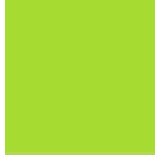
49.8322, 64.1756, 95.3486

Trichromacy



Original Color

33.6849, 64.4182, 14.4000



Protanomaly

41.8948, 59.5237, 12.2987



Deuteranomaly

44.4303, 58.4210, 17.1183



Tritanomaly

40.6236, 62.8741, 51.0691

Monochromacy



Original Color

33.6849, 64.4182, 14.4000



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.3729, 43.2195, 25.8102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6849, 64.4182, 14.4000 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, 242, 56)` looks like.

```
.text, #text, p{  
    color:rgb(48, 242, 56)  
}
```

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, 242, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 242, 56) }
```

Border

The CSS property to change the border of an element to XYZ 33.6849, 64.4182, 14.4000 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, 242, 56) }
```


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

```
.border{ border-color:rgb(48, 242, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 242, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 242, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 242, 56);  
box-shadow:4px 4px 4px 4px rgb(48, 242,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6849, 64.4182, 14.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 242, 56) }
```

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

```
.background{ background-color: rgb(48, 242,  
56) }
```

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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