

Converting Colors

XYZ(33.7300, 64.5652, 14.1370)

Have a look what the booklet for
XYZ(33.7300, 64.5652, 14.1370)
contains.

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Color

**XYZ(33.6369, 64.3990,
14.1474)**

Conversions

Conversions Part 1

Format	Color
Hex	30F236
RGB	48, 242, 54
RGB Percent	19%, 95%, 21%
CMY	0.8118, 0.0510, 0.7882
CMYK	0.80, 0.00, 0.78, 0.05
HSL	122°, 88%, 57%
HSV	122°, 80%, 95%
XYZ	33.6369, 64.3990, 14.1474
YIQ	162.5620, -55.2760, -99.5960

Conversions

Conversions Part 2

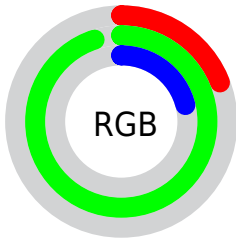
Format	Color
R_{YB}	48, 236, 242
Decimal	3207734
CIE Lab	84.17, -78.11, 71.41
CIE LCh	84, 105.837, 137.565
Yxy	64.3990, 0.2998, 0.5741
Android (android.graphics.Color)	4281397814 (0xFF30F236)
YUV	162.5620, -53.5211, -100.4709
Hunter-Lab	80.2490, -65.6163, 45.7218

Details

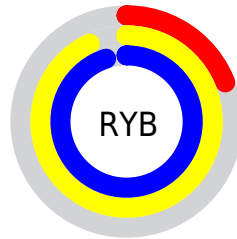
The XYZ color **33.6369, 64.3990, 14.1474** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.8162, 27.0479, 81.7913**, and the grayscale version is **34.8706, 36.6866, 39.9517**.

A 20% lighter version of the original color is **47.8505, 77.4020, 28.3377**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **32.3669, 63.7952, 11.8737**, and if you desaturate by 10%, it is **35.7967, 65.4346, 17.8499**.

Distribution



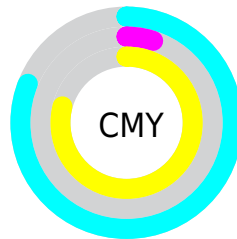
- Red (19%)
- Green (95%)
- Blue (21%)



- Red (19%)
- Yellow (93%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6369, 64.3990, 14.1474 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 33.6369, 64.3990, 14.1474 by changing the saturation by 10% instead.


 33.6369, 64.3990,
14.1474


 33.6369, 64.3990,
14.1474


310.1244,
440.6291, 229.6061


 22.7764, 46.9739,
8.0833


 64.7167, 111.1854,
34.0712


 14.5482, 33.0150,
4.0598


 85.6666, 141.3154,
48.7681


 8.5872, 22.1380,
1.6582


 110.7104,
176.4493, 67.1796

 4.5279, 13.9583,
0.3318

 140.2134,
216.9713, 89.7243

 2.0049, 8.0917,
0.0000

 174.5409,
263.2659, 116.8208

 0.6367, 4.1537,
0.0000

214.0584,

 0.0000, 1.7599,

315.7175, 148.8875

0.0000

259.1311,
374.7104, 186.3431

■ 0.0000, 0.4620,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6369, 64.3990,
14.1474

■ 33.6369, 64.3990,
14.1474

■ 32.3669, 63.7952,
11.8737


■ 35.7967, 65.4346,
17.8499


■ 31.7945, 63.5233,
10.8007


■ 38.9642, 66.9533,
23.1585


■ 43.2438, 69.0075,
30.2293


■ 48.7260, 71.6408,
39.1990

 55.4919, 74.8925,
50.1906

 63.6155, 78.7982,
63.3171

 73.1652, 83.3911,
78.6828

 84.2049, 88.7018,
96.3855

 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.



48.6057, 64.3990, 5.0399



33.6369, 64.3990, 14.1474



26.9365, 64.3990, 45.8636

Triad

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



33.6369, 64.3990, 14.1474



52.0197, 64.3990, 286.3593



114.9304, 64.3990, 37.9679

Complementary

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



33.6369, 64.3990, 14.1474



52.8162, 27.0479, 81.7913

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.



116.5247, 64.3990, 101.7010



33.6369, 64.3990, 14.1474



75.8226, 64.3990, 278.7971

Square

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



33.6369, 64.3990, 14.1474



35.5846, 64.3990, 214.7735



100.8011, 64.3990, 198.0217



96.8804, 64.3990, 11.5223

Rectangle

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



33.6369, 64.3990, 14.1474



26.5541, 64.3990, 88.4963



100.8011, 64.3990, 198.0217



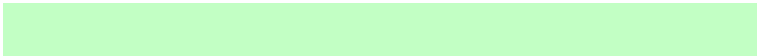
117.5478, 64.3990, 54.4811

Sweetspot

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



33.6384, 64.4017, 14.1489



67.8860, 86.9345, 65.2449



67.8063, 82.0312, 15.0562



13.8392, 18.2753, 12.8478



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.



33.6384, 64.4017, 14.1489



35.9951, 71.6288, 12.4915



38.3363, 66.2808, 38.8878



15.5857, 17.6643, 16.8414



17.0887, 34.1275, 5.8499



1.4285, 2.8419, 0.5231

Inverse Universe

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



52.8162, 27.0479, 81.7913



58.2040, 28.2227, 90.7151



42.5416, 22.9380, 27.6856



16.4319, 16.0225, 19.8305



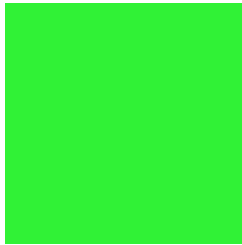
27.6988, 13.3519, 43.1917



2.3109, 1.1134, 3.6280

Previews

White Background



This preview shows how the XYZ color 33.6369, 64.3990, 14.1474 looks on a white background.

Color Contrast Check

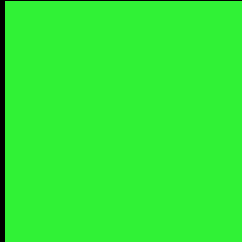
Large Text (above 18pt) WCAG AA × Fail

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 33.6369, 64.3990, 14.1474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

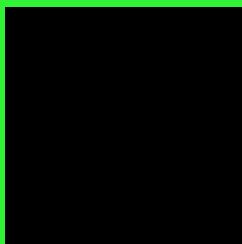
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6369, 64.3990, 14.1474

Background



This preview shows how black text looks on a background with the XYZ color 33.6369, 64.3990, 14.1474.

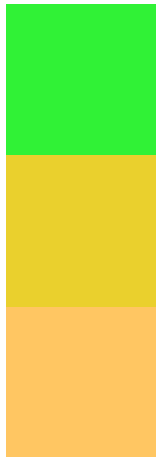


This preview shows how white text looks on a background with the XYZ color 33.6369, 64.3990,

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

33.6369, 64.3990, 14.1474

Protanopia

56.9612, 62.7936, 11.6008

Deuteranopia

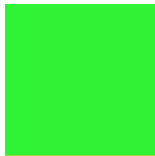
63.6387, 62.5300, 20.2707



Tritanopia

49.8322, 64.1756, 95.3486

Trichromacy



Original Color

33.6369, 64.3990, 14.1474



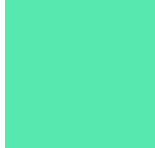
Protanomaly

41.8526, 59.5068, 12.0764



Deuteranomaly

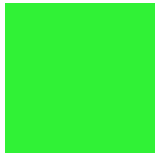
44.3919, 58.4056, 16.9164



Tritanomaly

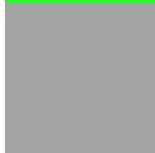
40.5250, 62.8346, 50.5498

Monochromacy



Original Color

33.6369, 64.3990, 14.1474



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.3099, 43.1943, 25.4787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6369, 64.3990, 14.1474 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(48, 242, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 242, 54) }
```

Border

The CSS property to change the border of an element to XYZ 33.6369, 64.3990, 14.1474 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, 54) }
```


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

```
.border{ border-color:rgb(48, 242, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 242, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 242, 54);  
box-shadow:4px 4px 4px 4px rgb(48, 242,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6369, 64.3990, 14.1474 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, 54) }
```

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

```
.background{ background-color: rgb(48, 242,  
54) }
```

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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