

Converting Colors

XYZ(36.8800, 70.8328, 14.8033)

Have a look what the booklet for
XYZ(36.8800, 70.8328, 14.8033)
contains.

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Color

**XYZ(36.7233, 70.5379,
14.8116)**

Conversions

Conversions Part 1

Format	Color
Hex	32FC33
RGB	50, 252, 51
RGB Percent	20%, 99%, 20%
CMY	0.8039, 0.0117, 0.8000
CMYK	0.80, 0.00, 0.80, 0.01
HSL	120°, 97%, 59%
HSV	120°, 80%, 99%
XYZ	36.7233, 70.5379, 14.8116
YIQ	168.6880, -55.8710, -105.3350

Conversions

Conversions Part 2

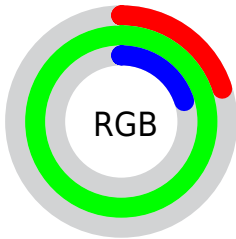
Format	Color
RYB	50, 251, 252
Decimal	3341363
CIELab	87.26, -80.92, 75.18
CIELCh	87, 110.448, 137.106
Yxy	70.5379, 0.3008, 0.5778
Android (android.graphics.Color)	4281531443 (0xFF32FC33)
YUV	168.6880, -58.0202, -104.0894
Hunter-Lab	83.9868, -68.9277, 48.3346

Details

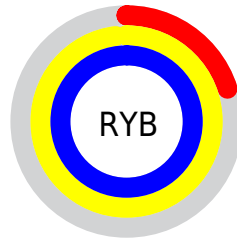
The XYZ color **36.7233, 70.5379, 14.8116** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.6989, 29.9422, 93.9484**, and the grayscale version is **37.8570, 39.8285, 43.3732**.

A 20% lighter version of the original color is **48.2564, 77.6178, 28.0611**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **35.3935, 69.9020, 12.6005**, and if you desaturate by 10%, it is **39.0366, 71.6505, 18.6253**.

Distribution



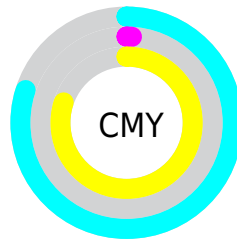
- Red (20%)
- Green (99%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (99%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (1%)





- Cyan (80%)
- Magenta (1%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7233, 70.5379, 14.8116 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 36.7233, 70.5379, 14.8116 by changing the saturation by 10% instead.


 36.7233, 70.5379,
14.8116


 36.7233, 70.5379,
14.8116


323.4874,
462.4364, 233.8244

 25.1660, 51.9652,
8.5421


 69.4636, 119.9755,
35.2599


 16.3302, 36.9773,
4.3510


 91.3774, 151.6092,
50.2759


 9.8504, 25.1899,
1.8198


 117.4740,
188.3653, 69.0444

 5.3614, 16.2186,
0.4410

 148.1188,
230.6283, 91.9840

 2.4978, 9.6790,
0.0000

 183.6772,
278.7825, 119.5133

 0.8941, 5.1866,
0.0000

224.5145,

 0.0000, 2.3572,

333.2123, 152.0508

0.0000

270.9961,
394.3022, 190.0149

■ 0.0000, 0.8037,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7233, 70.5379,
14.8116

■ 36.7233, 70.5379,
14.8116

■ 35.3935, 69.9020,
12.6005


■ 39.0366, 71.6505,
18.6253


■ 34.8187, 69.6264,
11.6403


■ 42.4685, 73.2986,
24.2624


■ 47.1383, 75.5414,
31.9141


■ 53.1485, 78.4284,
41.7462

 60.5911, 82.0037,
53.9076

 69.5501, 86.3078,
68.5337

 80.1029, 91.3778,
85.7500

 92.3215, 97.2484,
105.6731

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



53.4086, 70.5379, 5.1808



36.7233, 70.5379, 14.8116



29.2115, 70.5379, 49.1193

Triad

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



36.7233, 70.5379, 14.8116



56.5123, 70.5379, 317.3868



126.9551, 70.5379, 41.9640

Complementary

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



36.7233, 70.5379, 14.8116



58.6989, 29.9422, 93.9484

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.



128.4141, 70.5379, 113.3191



36.7233, 70.5379, 14.8116



82.8229, 70.5379, 310.4350

Square

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



36.7233, 70.5379, 14.8116



38.4876, 70.5379, 236.3309



110.6602, 70.5379, 220.9585



107.0762, 70.5379, 12.4674

Rectangle

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



36.7233, 70.5379, 14.8116



28.7115, 70.5379, 95.8791



110.6602, 70.5379, 220.9585



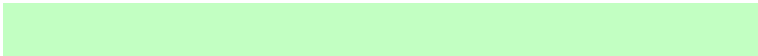
129.7684, 70.5379, 60.4428

Sweetspot

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



36.7250, 70.5408, 14.8132



67.7063, 86.8627, 64.2989



75.5340, 90.5502, 16.5145



13.7976, 18.2586, 12.6291



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.



36.7250, 70.5408, 14.8132



35.9506, 71.6110, 12.2571



41.7133, 72.5362, 41.0815



17.0210, 19.3107, 18.3109



18.1383, 36.2683, 6.0716



1.6811, 3.3595, 0.5686

Inverse Universe

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



58.6989, 29.9422, 93.9484



59.2044, 28.6229, 95.9830



46.8732, 25.2119, 31.6750



17.9891, 17.5230, 21.7985



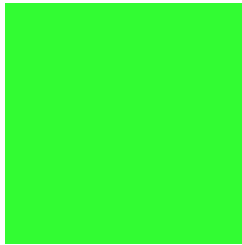
29.9629, 14.4009, 48.6402



2.7763, 1.3342, 4.5112

Previews

White Background



This preview shows how the XYZ color 36.7233, 70.5379, 14.8116 looks on a white background.

Color Contrast Check

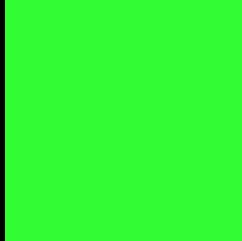
Large Text (above 18pt) WCAG AA × Fail

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 36.7233, 70.5379, 14.8116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

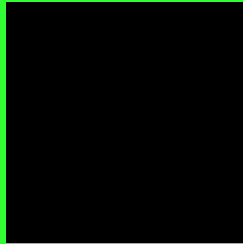
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7233, 70.5379, 14.8116

Background



This preview shows how black text looks on a background with the XYZ color 36.7233, 70.5379, 14.8116.

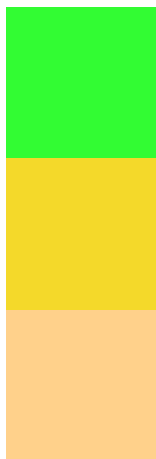


This preview shows how white text looks on a background with the XYZ color 36.7233, 70.5379,

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

36.7233, 70.5379, 14.8116

Protanopia

62.5390, 69.0260, 12.2177

Deuteranopia

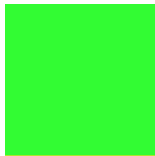
68.7007, 68.7250, 34.0704



Tritanopia

54.4078, 70.0831, 104.4257

Trichromacy



Original Color

36.7233, 70.5379, 14.8116



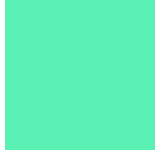
Protanomaly

46.0040, 65.6673, 12.7330



Deuteranomaly

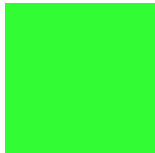
48.4014, 64.6153, 23.8309



Tritanomaly

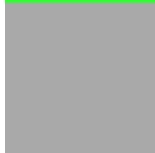
43.9100, 68.3795, 54.0643

Monochromacy



Original Color

36.7233, 70.5379, 14.8116



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.7935, 46.7888, 27.0414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7233, 70.5379, 14.8116 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, 252, 51)` looks like.

```
.text, #text, p{  
    color:rgb(50, 252, 51)  
}
```

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, 252, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 252, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.7233, 70.5379, 14.8116 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, 252, 51) }
```


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

```
.border{ border-color:rgb(50, 252, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 252, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 252, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 252, 51);  
box-shadow:4px 4px 4px 4px rgb(50, 252,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7233, 70.5379, 14.8116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 252, 51) }
```

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

```
.background{ background-color: rgb(50, 252,  
51) }
```

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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