

Converting Colors

XYZ(36.7993, 71.9585, 16.3647)

Have a look what the booklet for
XYZ(36.7993, 71.9585, 16.3647)
contains.

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Color

**XYZ(36.7993, 71.9585,
16.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFF3D
RGB	15, 255, 61
RGB Percent	6%, 100%, 24%
CMY	0.9412, 0.0000, 0.7608
CMYK	0.94, 0.00, 0.76, 0.00
HSL	132°, 100%, 53%
HSV	132°, 94%, 100%
XYZ	36.7993, 71.9585, 16.3647
YIQ	161.1240, -80.7660, -111.2140

Conversions

Conversions Part 2

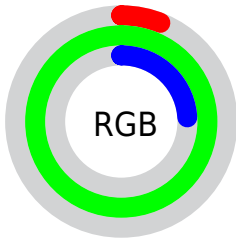
Format	Color
RYB	15, 216, 255
Decimal	1048381
CIELab	87.95, -83.63, 72.89
CIELCh	88, 110.936, 138.928
Yxy	71.9585, 0.2941, 0.5751
Android (android.graphics.Color)	4279238461 (0xFF0FFF3D)
YUV	161.1240, -49.3611, -128.1507
Hunter-Lab	84.8284, -71.0147, 47.9419

Details

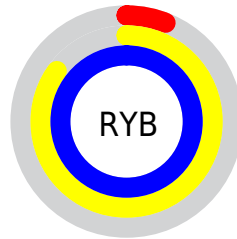
The XYZ color **36.7993, 71.9585, 16.3647** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **52.9187, 26.2048, 62.5866**, and the grayscale version is **34.1839, 35.9641, 39.1649**.

A 20% lighter version of the original color is **47.0963, 76.9654, 30.4627**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.3119, 71.7408, 14.8262**, and if you desaturate by 10%, it is **38.1633, 72.5847, 19.9058**.

Distribution



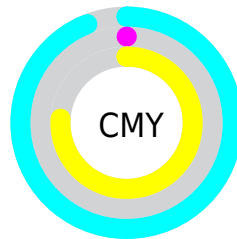
- Red (6%)
- Green (100%)
- Blue (24%)



- Red (6%)
- Yellow (85%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7993, 71.9585, 16.3647 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 36.7993, 71.9585, 16.3647 by changing the saturation by 10% instead.


 36.7993, 71.9585,
16.3647


 36.7993, 71.9585,
16.3647


323.8114,
467.3971, 243.4030

 25.2251, 53.1248,
9.6254


 69.5798, 121.9975,
38.0058


 16.3745, 37.9024,
5.0490


 91.5169, 153.9716,
53.7446

 9.8820, 25.9069,
2.2168

 117.6389,
191.0946, 73.3205

 5.3825, 16.7540,
0.6840

 148.3113,
233.7509, 97.1518

 2.5104, 10.0593,
0.0000

 183.8994,
282.3249, 125.6572

 0.9005, 5.4383,
0.0000

224.7685,

 0.0000, 2.5066,

337.2011, 159.2552

0.0000

271.2841,
398.7637, 198.3642

■ 0.0000, 0.8800,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7993, 71.9585,
16.3647

■ 36.7993, 71.9585,
16.3647


■ 36.3119, 71.7408,
14.8262


■ 38.1633, 72.5847,
19.9058


■ 40.4167, 73.6422,
24.7148


■ 43.6894, 75.1959,
30.8991


■ 48.0888, 77.2990,
38.5534

 53.7085, 79.9980,
47.7641

 60.6319, 83.3343,
58.6108

 68.9350, 87.3453,
71.1678

 78.6880, 92.0660,
85.5045

 89.9562, 97.5284,
101.6868

Harmonies

Analogous

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



53.2032, 71.9585, 5.5790



36.7993, 71.9585, 16.3647



29.6709, 71.9585, 53.5992

Triad

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



36.7993, 71.9585, 16.3647



59.0947, 71.9585, 325.4383



128.5834, 71.9585, 39.9972

Complementary

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



36.7993, 71.9585, 16.3647



52.9187, 26.2048, 62.5866

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.



131.3470, 71.9585, 109.7449



36.7993, 71.9585, 16.3647



86.2326, 71.9585, 312.2886

Square

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



36.7993, 71.9585, 16.3647



40.1520, 71.9585, 247.1826



114.2872, 71.9585, 218.0864



107.4960, 71.9585, 11.8875

Rectangle

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



36.7993, 71.9585, 16.3647



29.4821, 71.9585, 103.1687



114.2872, 71.9585, 218.0864



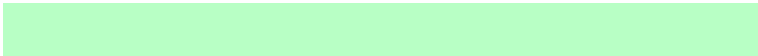
131.8577, 71.9585, 57.8706

Sweetspot

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



36.7995, 71.9586, 16.3658



65.5424, 85.7054, 66.0842



62.7103, 85.4034, 13.6313



13.2756, 17.9807, 13.0019



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.



36.7995, 71.9586, 16.3658



36.3119, 71.7408, 14.8262



44.0938, 74.8763, 54.7767



17.9138, 20.2251, 19.8492



19.0140, 37.5022, 7.9590



1.8870, 3.6657, 0.9630

Inverse Universe

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



52.9187, 26.2048, 62.5866



52.3950, 25.7220, 60.6712



43.2992, 22.3571, 11.9310



18.6346, 18.2371, 21.9587



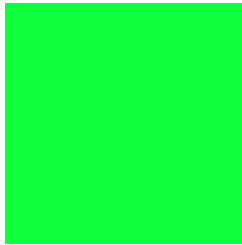
27.4307, 13.4616, 31.9821



2.7074, 1.3253, 3.3067

Previews

White Background



This preview shows how the XYZ color 36.7993, 71.9585, 16.3647 looks on a white background.

Color Contrast Check

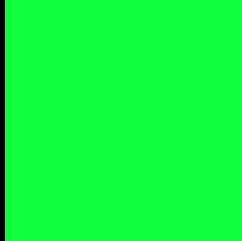
Large Text (above 18pt) WCAG AA × Fail

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 36.7993, 71.9585, 16.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

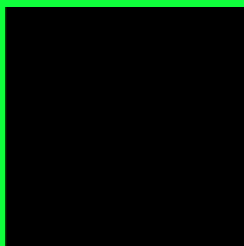
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7993, 71.9585, 16.3647

Background



This preview shows how black text looks on a background with the XYZ color 36.7993, 71.9585, 16.3647.



This preview shows how white text looks on a background with the XYZ color 36.7993, 71.9585,

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

36.7993, 71.9585, 16.3647

Protanopia

63.6075, 70.3234, 13.4701

Deuteranopia

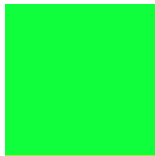
69.8007, 69.9551, 37.4276



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

36.7993, 71.9585, 16.3647



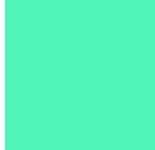
Protanomaly

44.2441, 65.5661, 13.9380



Deuteranomaly

46.7699, 64.5240, 26.5123



Tritanomaly

44.2269, 69.8243, 56.4938

Monochromacy



Original Color

36.7993, 71.9585, 16.3647



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.4011, 43.6990, 26.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7993, 71.9585, 16.3647 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(15, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 61)  
}
```

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(15, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 61) }
```

Border

The CSS property to change the border of an element to XYZ 36.7993, 71.9585, 16.3647 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(15, 255, 61) }
```


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

```
.border{ border-color:rgb(15, 255, 61) }
```

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

Here you see how a box with a 4 pixel rgb(15, 255, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7993, 71.9585, 16.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 61) }
```

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

```
.background{ background-color: rgb(15, 255,  
61) }
```

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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