

Converting Colors

XYZ(36.5735, 71.7260, 15.0681)

Have a look what the booklet for
XYZ(36.5735, 71.7260, 15.0681)
contains.

XYZ(36.6668, 71.9184, 15.0811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.6668, 71.9184,
15.0811)**

Conversions

Conversions Part 1

Format	Color
Hex	15FF33
RGB	21, 255, 51
RGB Percent	8%, 100%, 20%
CMY	0.9176, 0.0000, 0.8000
CMYK	0.92, 0.00, 0.80, 0.00
HSL	128°, 100%, 54%
HSV	128°, 92%, 100%
XYZ	36.6668, 71.9184, 15.0811
YIQ	161.7780, -73.9800, -113.0520

Conversions

Conversions Part 2

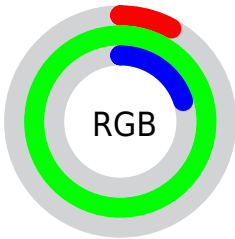
Format	Color
R_{YB}	21, 228, 255
Decimal	1441587
CIE _{Lab}	87.93, -83.99, 75.71
CIE _{LCh}	88, 113.074, 137.968
Yxy	71.9184, 0.2965, 0.5816
Android (android.graphics.Color)	4279631667 (0xFF15FF33)
YUV	161.7780, -54.6136, -123.4623
Hunter-Lab	84.8047, -71.2307, 48.8196

Details

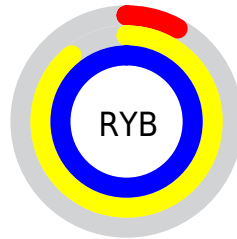
The XYZ color **36.6668, 71.9184, 15.0811** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **55.0978, 27.2323, 73.5811**, and the grayscale version is **34.5119, 36.3092, 39.5407**.

A 20% lighter version of the original color is **46.8233, 76.8725, 28.2896**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0303, 71.6281, 13.3436**, and if you desaturate by 10%, it is **38.1201, 72.5968, 18.3486**.

Distribution



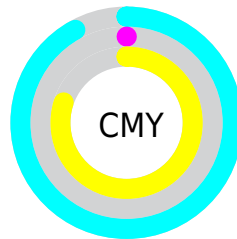
- Red (8%)
- Green (100%)
- Blue (20%)



- Red (8%)
- Yellow (89%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6668, 71.9184, 15.0811 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 36.6668, 71.9184, 15.0811 by changing the saturation by 10% instead.


 36.6668, 71.9184,
15.0811


 36.6668, 71.9184,
15.0811


323.2463,
467.2575, 235.5142


 25.1221, 53.0920,
8.7291


 69.3772, 121.9405,
35.7397

 16.2973, 37.8762,
4.4705


 91.2736, 153.9050,
50.8834


 9.8269, 25.8866,
1.8868


 117.3513,
191.0177, 69.7946

 5.3457, 16.7389,
0.4843

 147.9756,
233.6630, 92.8921

 2.4883, 10.0485,
0.0000

 183.5119,
282.2252, 120.5942

 0.8894, 5.4311,
0.0000

224.3256,

 0.0000, 2.5024,

337.0888, 153.3196

0.0000

270.7819,
398.6381, 191.4868

■ 0.0000, 0.8778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6668, 71.9184,
15.0811

■ 36.6668, 71.9184,
15.0811


■ 36.0303, 71.6281,
13.3436


■ 38.1201, 72.5968,
18.3486


■ 40.5197, 73.7326,
23.0350


■ 43.9957, 75.3900,
29.2791


■ 48.6572, 77.6225,
37.2019

 54.5996, 80.4772,
46.9128

 61.9087, 83.9960,
58.5117

 70.6627, 88.2174,
72.0912

 80.9339, 93.1767,
87.7377

 92.7897, 98.9070,
105.5327

Harmonies

Analogous

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



53.5997, 71.9184, 5.0019



36.6668, 71.9184, 15.0811



29.2005, 71.9184, 51.2905

Triad

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



36.6668, 71.9184, 15.0811



58.1235, 71.9184, 331.1832



130.3626, 71.9184, 40.9012

Complementary

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



36.6668, 71.9184, 15.0811



55.0978, 27.2323, 73.5811

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.



132.5075, 71.9184, 113.4540



36.6668, 71.9184, 15.0811



85.5994, 71.9184, 320.9018

Square

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



36.6668, 71.9184, 15.0811



39.2261, 71.9184, 248.0904



114.4623, 71.9184, 225.4064



109.2010, 71.9184, 11.7433

Rectangle

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



36.6668, 71.9184, 15.0811



28.8404, 71.9184, 100.7052



114.4623, 71.9184, 225.4064



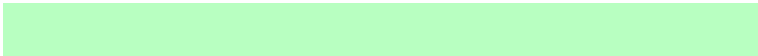
133.5012, 71.9184, 59.5034

Sweetspot

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



36.6671, 71.9186, 15.0823



65.0299, 85.5004, 63.3854



67.7953, 88.0192, 14.1258



13.1568, 17.9332, 12.3761



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.



36.6671, 71.9186, 15.0823



36.0303, 71.6281, 13.3436



42.8883, 74.4070, 47.8427



17.8663, 20.2061, 19.5992



18.8558, 37.4389, 7.1257



1.8641, 3.6566, 0.8423

Inverse Universe

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



55.0978, 27.2323, 73.5811



54.4649, 26.5500, 71.5716



44.3610, 22.9376, 17.0422



18.6865, 18.2579, 22.2323



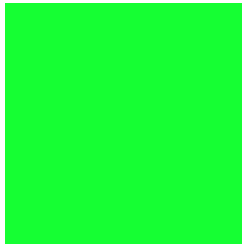
28.4984, 13.8886, 37.6045



2.8016, 1.3630, 3.8025

Previews

White Background



This preview shows how the XYZ color 36.6668, 71.9184, 15.0811 looks on a white background.

Color Contrast Check

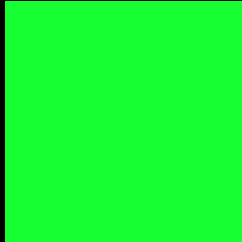
Large Text (above 18pt) WCAG AA × Fail

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 36.6668, 71.9184, 15.0811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

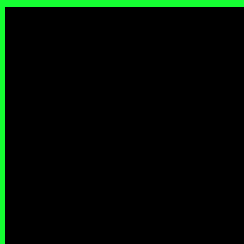
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6668, 71.9184, 15.0811

Background



This preview shows how black text looks on a background with the XYZ color 36.6668, 71.9184, 15.0811.



This preview shows how white text looks on a background with the XYZ color 36.6668, 71.9184,

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

36.6668, 71.9184, 15.0811

Protanopia

63.7555, 70.4230, 12.4232

Deuteranopia

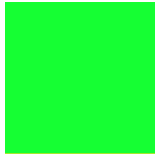
69.7226, 69.9239, 37.0160



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

36.6668, 71.9184, 15.0811



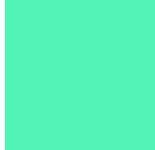
Protanomaly

44.6401, 65.7952, 12.8296



Deuteranomaly

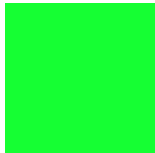
46.9159, 64.6319, 25.0414



Tritanomaly

44.0845, 69.7869, 54.8628

Monochromacy



Original Color

36.6668, 71.9184, 15.0811



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.8083, 44.2645, 25.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6668, 71.9184, 15.0811 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(21, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(21, 255, 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(21, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.6668, 71.9184, 15.0811 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(21, 255, 51) }
```


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

```
.border{ border-color:rgb(21, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(21, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6668, 71.9184, 15.0811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 255, 51) }
```

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

```
.background{ background-color: rgb(21, 255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor