

Converting Colors

XYZ(36.6665, 71.9873, 11.9624)

Have a look what the booklet for
XYZ(36.6665, 71.9873, 11.9624)
contains.

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Color

**XYZ(36.6745, 71.9914,
11.9628)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF00
RGB	41, 255, 0
RGB Percent	16%, 100%, 0%
CMY	0.8392, 0.0000, 0.9998
CMYK	0.84, 0.00, 1.00, 0.00
HSL	110°, 100%, 50%
HSV	110°, 100%, 100%
XYZ	36.6745, 71.9914, 11.9628
YIQ	161.9440, -45.6890, -124.6730

Conversions

Conversions Part 2

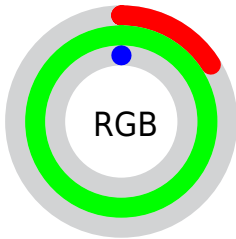
Format	Color
RYB	0, 255, 214
Decimal	2752256
CIELab	87.96, -84.11, 83.46
CIELCh	88, 118.493, 135.224
Yxy	71.9914, 0.3040, 0.5968
Android (android.graphics.Color)	4280942336 (0xFF29FF00)
YUV	161.9440, -79.8384, -106.0679
Hunter-Lab	84.8477, -71.3289, 51.0340

Details

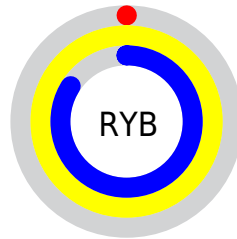
The XYZ color **36.6745, 71.9914, 11.9628** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **45.7931, 21.5227, 96.3485**, and the grayscale version is **34.6967, 36.5037, 39.7525**.

A 20% lighter version of the original color is **46.8977, 77.0385, 22.5234**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.6732, 71.9908, 11.9627**, and if you desaturate by 10%, it is **37.9534, 72.6298, 12.9691**.

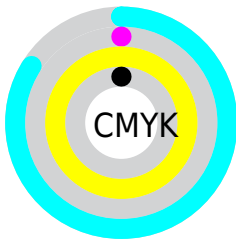
Distribution



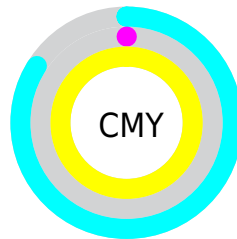
- Red (16%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6745, 71.9914, 11.9628 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 36.6745, 71.9914, 11.9628 by changing the saturation by 10% instead.


 36.6745, 71.9914,
11.9628


 36.6745, 71.9914,
11.9628


323.2792,
467.5117, 215.1280

 25.1281, 53.1517,
6.5961


 69.3890, 122.0443,
30.0907

 16.3018, 37.9238,
3.1362


 91.2877, 154.0262,
43.6890


 9.8301, 25.9236,
1.1646


 117.3680,
191.1577, 60.8683

 5.3479, 16.7665,
0.0000

 147.9951,
233.8231, 82.0471

 2.4896, 10.0681,
0.0000

 183.5344,
282.4068, 107.6439

 0.8900, 5.4442,
0.0000

 224.3513,

 0.0000, 2.5102,

337.2932, 138.0773

0.0000

270.8111,
398.8667, 173.7658

■ 0.0000, 0.8817,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6745, 71.9914,
11.9628

■ 36.6745, 71.9914,
11.9628

■ 36.6732, 71.9908,
11.9627

■ 37.9534, 72.6298,
12.9691

■ 39.9974, 73.6353,
15.2415

■ 42.9339, 75.0654,
19.1625

■ 46.8553, 76.9626,
24.9664

■ 51.8419, 79.3639,
32.8500

■ 57.9656, 82.3028,
42.9851

■ 65.2918, 85.8096,
55.5258

■ 73.8807, 89.9123,
70.6126

■ 83.7887, 94.6372,
88.3751

Harmonies

Analogous

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



55.1391, 71.9914, 3.7230



36.6745, 71.9914, 11.9628



28.2166, 71.9914, 45.0482

Triad

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



36.6745, 71.9914, 11.9628



55.4947, 71.9914, 345.2457



135.2996, 71.9914, 44.2418

Complementary

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



36.6745, 71.9914, 11.9628



45.7931, 21.5227, 96.3485

Split Complementary

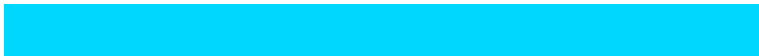
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



135.4727, 71.9914, 125.0932



36.6745, 71.9914, 11.9628



83.6916, 71.9914, 344.4014

Square

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



36.6745, 71.9914, 11.9628



36.8728, 71.9914, 248.6186



114.6416, 71.9914, 246.7685



114.2189, 71.9914, 11.7191

Rectangle

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



36.6745, 71.9914, 11.9628



27.3560, 71.9914, 93.4090



114.6416, 71.9914, 246.7685



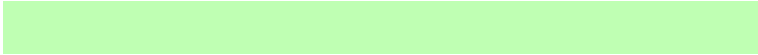
137.9625, 71.9914, 65.0675

Sweetspot

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



36.6747, 71.9915, 11.9639



65.2794, 85.8037, 55.5044



64.9105, 68.6007, 9.8213



13.2793, 18.0339, 10.6841



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.



36.6747, 71.9915, 11.9639



36.6732, 71.9908, 11.9627



37.4012, 72.1766, 20.5601



18.0433, 20.3082, 19.1132



19.2422, 37.6578, 6.2545



1.9475, 3.7047, 0.6124

Inverse Universe

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



45.7931, 21.5227, 96.3485



45.7908, 21.5209, 96.3482



48.4974, 24.1636, 40.1447



18.4892, 18.1439, 22.7776



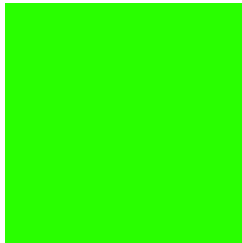
24.0336, 11.3003, 50.3490



2.4134, 1.1380, 4.9057

Previews

White Background



This preview shows how the XYZ color 36.6745, 71.9914, 11.9628 looks on a white background.

Color Contrast Check

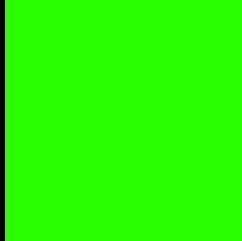
Large Text (above 18pt) WCAG AA × Fail

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 36.6745, 71.9914, 11.9628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

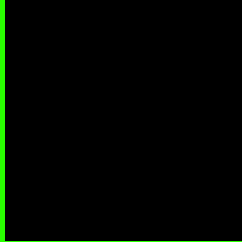
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

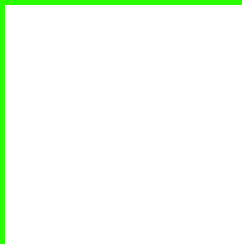
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6745, 71.9914, 11.9628

Background



This preview shows how black text looks on a background with the XYZ color 36.6745, 71.9914, 11.9628.

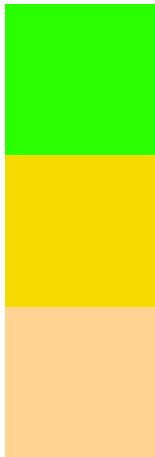


This preview shows how white text looks on a background with the XYZ color 36.6745, 71.9914,

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

36.6745, 71.9914, 11.9628

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

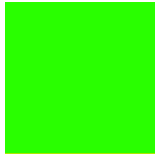
69.6451, 69.8929, 36.6080



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



Original Color

36.6745, 71.9914, 11.9628



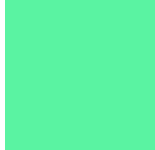
Protanomaly

45.6512, 66.3712, 10.4048



Deuteranomaly

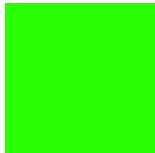
47.5323, 65.0580, 20.1774



Tritanomaly

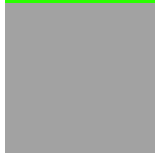
42.7886, 68.8835, 45.2231

Monochromacy



Original Color

36.6745, 71.9914, 11.9628



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.6593, 44.3107, 19.8216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6745, 71.9914, 11.9628 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(41, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 0)  
}
```

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(41, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.6745, 71.9914, 11.9628 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(41, 255, 0) }
```


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

```
.border{ border-color:rgb(41, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6745, 71.9914, 11.9628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 0) }
```

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

```
.background{ background-color: rgb(41, 255,  
0) }
```

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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