

Converting Colors

XYZ(36.7117, 71.9737, 13.6331)

Have a look what the booklet for
XYZ(36.7117, 71.9737, 13.6331)
contains.

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Color

**XYZ(36.7056, 71.9707,
13.6262)**

Conversions

Conversions Part 1

Format	Color
Hex	21FF24
RGB	33, 255, 36
RGB Percent	13%, 100%, 14%
CMY	0.8706, 0.0000, 0.8588
CMYK	0.87, 0.00, 0.86, 0.00
HSL	121°, 100%, 56%
HSV	121°, 87%, 100%
XYZ	36.7056, 71.9707, 13.6262
YIQ	163.6560, -62.0130, -115.1730

Conversions

Conversions Part 2

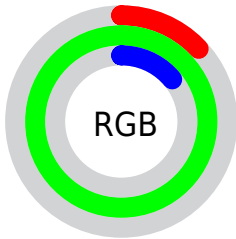
Format	Color
RYB	33, 252, 255
Decimal	2228004
CIELab	87.95, -83.97, 79.19
CIELCh	88, 115.422, 136.676
Yxy	71.9707, 0.3001, 0.5885
Android (android.graphics.Color)	4280418084 (0xFF21FF24)
YUV	163.6560, -62.9344, -114.5853
Hunter-Lab	84.8355, -71.2310, 49.8618

Details

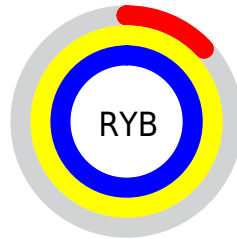
The XYZ color **36.7056, 71.9707, 13.6262** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **59.3522, 29.3750, 94.6249**, and the grayscale version is **35.4344, 37.2797, 40.5976**.

A 20% lighter version of the original color is **46.9140, 76.9755, 25.7497**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9135, 71.5922, 12.2382**, and if you desaturate by 10%, it is **38.3809, 72.7733, 16.4624**.

Distribution



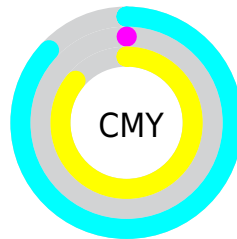
- Red (13%)
- Green (100%)
- Blue (14%)



- Red (13%)
- Yellow (99%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7056, 71.9707, 13.6262 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 36.7056, 71.9707, 13.6262 by changing the saturation by 10% instead.


 36.7056, 71.9707,
13.6262


 36.7056, 71.9707,
13.6262


323.4119,
467.4396, 226.2398


 25.1523, 53.1347,
7.7254


 69.4365, 122.0149,
33.1318

 16.3199, 37.9103,
3.8345


 91.3448, 153.9919,
47.5737


 9.8431, 25.9131,
1.5350


 117.4355,
191.1180, 65.6996

 5.3565, 16.7587,
0.2438

 148.0739,
233.7777, 87.9282

 2.4948, 10.0626,
0.0000

 183.6254,
282.3553, 114.6780

 0.8926, 5.4405,
0.0000

224.4553,

 0.0000, 2.5079,

337.2352, 146.3675

0.0000

270.9290,
398.8019, 183.4153

■ 0.0000, 0.8806,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7056, 71.9707,
13.6262

■ 36.7056, 71.9707,
13.6262

■ 35.9135, 71.5922,
12.2382


■ 38.3809, 72.7733,
16.4624


■ 35.7790, 71.5276,
12.0199


■ 41.1088, 74.0819,
21.0047


■ 45.0237, 75.9611,
27.4654

■ 50.2403, 78.4663,
36.0251

 56.8595, 81.6460,
46.8436

 64.9723, 85.5441,
60.0652

 74.6622, 90.2007,
75.8222

 86.0064, 95.6530,
94.2373

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.3301, 71.9707, 4.4063



36.7056, 71.9707, 13.6262



28.7828, 71.9707, 48.3963

Triad

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



36.7056, 71.9707, 13.6262



56.9325, 71.9707, 337.2835



132.5686, 71.9707, 42.4532

Complementary

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



36.7056, 71.9707, 13.6262



59.3522, 29.3750, 94.6249

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.



133.8167, 71.9707, 118.6871



36.7056, 71.9707, 13.6262



84.7246, 71.9707, 331.2541

Square

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



36.7056, 71.9707, 13.6262



38.1687, 71.9707, 248.1572



114.5196, 71.9707, 234.8949



111.4640, 71.9707, 11.7667

Rectangle

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



36.7056, 71.9707, 13.6262



28.1893, 71.9707, 97.3155



114.5196, 71.9707, 234.8949



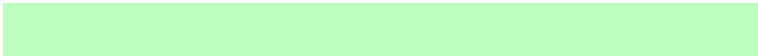
135.4885, 71.9707, 62.0478

Sweetspot

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



36.7058, 71.9708, 13.6273



65.9225, 86.0007, 61.6118



77.2745, 92.8898, 15.2955



13.4590, 18.0948, 12.1273



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.



36.7058, 71.9708, 13.6273



35.7790, 71.5276, 12.0199



41.4212, 73.8569, 38.4581



17.7816, 20.1722, 19.1529



18.6996, 37.3764, 6.3034



1.8241, 3.6406, 0.6314

Inverse Universe

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



59.3522, 29.3750, 94.6249



58.7374, 28.2590, 94.0700



46.8178, 24.3613, 28.6200



18.7814, 18.2959, 22.7321



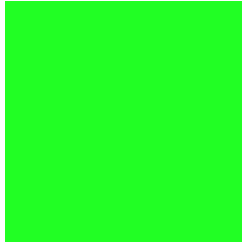
30.6964, 14.7679, 49.1794



2.9921, 1.4392, 4.8058

Previews

White Background



This preview shows how the XYZ color 36.7056, 71.9707, 13.6262 looks on a white background.

Color Contrast Check

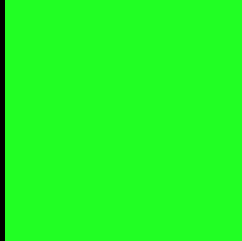
Large Text (above 18pt) WCAG AA × Fail

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 36.7056, 71.9707, 13.6262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

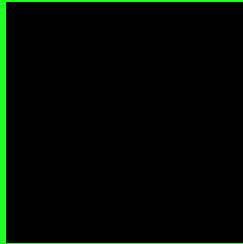
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7056, 71.9707, 13.6262

Background



This preview shows how black text looks on a background with the XYZ color 36.7056, 71.9707, 13.6262.



This preview shows how white text looks on a background with the XYZ color 36.7056, 71.9707,

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

36.7056, 71.9707, 13.6262

Protanopia

63.5130, 70.3261, 11.1465

Deuteranopia

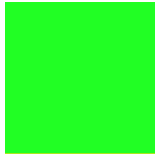
69.7226, 69.9239, 37.0160



Tritanopia

55.3816, 70.9928, 105.3918

Trichromacy



Original Color

36.7056, 71.9707, 13.6262



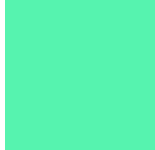
Protanomaly

45.4406, 66.2370, 11.5524



Deuteranomaly

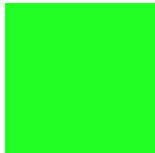
47.5262, 64.9774, 23.6727



Tritanomaly

43.6262, 69.1748, 51.6102

Monochromacy



Original Color

36.7056, 71.9707, 13.6262



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.3796, 44.9299, 23.9008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7056, 71.9707, 13.6262 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(33, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 36)  
}
```

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(33, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 36) }
```

Border

The CSS property to change the border of an element to XYZ 36.7056, 71.9707, 13.6262 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(33, 255, 36) }
```


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

```
.border{ border-color:rgb(33, 255, 36) }
```

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

Here you see how a box with a 4 pixel rgb(33, 255, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7056, 71.9707, 13.6262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 36) }
```

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

```
.background{ background-color: rgb(33, 255,  
36) }
```

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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