

Converting Colors

XYZ(36.0849, 71.6647, 12.9645)

Have a look what the booklet for
XYZ(36.0849, 71.6647, 12.9645)
contains.

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Color

**XYZ(36.0830, 71.6637,
12.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFF1B
RGB	10, 255, 27
RGB Percent	4%, 100%, 11%
CMY	0.9608, 0.0000, 0.8940
CMYK	0.96, 0.00, 0.89, 0.00
HSL	124°, 100%, 52%
HSV	124°, 96%, 100%
XYZ	36.0830, 71.6637, 12.9676
YIQ	155.7530, -72.8320, -122.8480

Conversions

Conversions Part 2

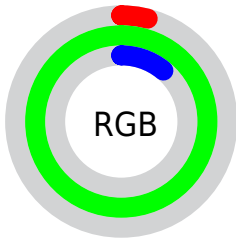
Format	Color
RYB	10, 239, 255
Decimal	720667
CIELab	87.81, -85.40, 80.58
CIELCh	88, 117.413, 136.665
Yxy	71.6637, 0.2989, 0.5937
Android (android.graphics.Color)	4278910747 (0xFF0AFF1B)
YUV	155.7530, -63.4752, -127.8254
Hunter-Lab	84.6544, -72.0616, 50.1759

Details

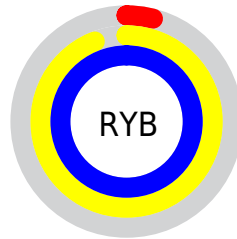
The XYZ color **36.0830, 71.6637, 12.9676** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.7783, 27.6489, 83.2180**, and the grayscale version is **31.7879, 33.4433, 36.4198**.

A 20% lighter version of the original color is **45.9454, 76.5050, 24.4020**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8669, 71.5627, 12.4827**, and if you desaturate by 10%, it is **37.0621, 72.1229, 15.0705**.

Distribution



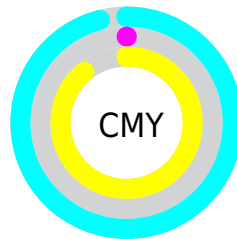
- Red (4%)
- Green (100%)
- Blue (11%)



- Red (4%)
- Yellow (94%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0830, 71.6637, 12.9676 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 36.0830, 71.6637, 12.9676 by changing the saturation by 10% instead.


 36.0830, 71.6637,
12.9676


 36.0830, 71.6637,
12.9676


320.7481,
466.3702, 221.9104


 24.6687, 52.8840,
7.2758


 68.4832, 121.5783,
31.9359

 15.9578, 37.7102,
3.5541


 90.1998, 153.4820,
46.0494


 9.5850, 25.7578,
1.3841


 116.0812,
190.5291, 63.8073

 5.1848, 16.6426,
0.1292

 146.4928,
233.1040, 85.6281

 2.3920, 9.9800,
0.0000

 181.8000,
281.5912, 111.9302

 0.8411, 5.3857,
0.0000

 222.3680,

 0.0000, 2.4753,

336.3751, 143.1323

0.0000

268.5622,
397.8399, 179.6529

■ 0.0000, 0.8642,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0830, 71.6637,
12.9676

■ 36.0830, 71.6637,
12.9676


■ 35.8669, 71.5627,
12.4827


■ 37.0621, 72.1229,
15.0705


■ 38.9365, 73.0129,
18.6036


■ 41.8581, 74.4079,
23.7619


■ 45.9506, 76.3681,
30.7091

 51.3204, 78.9454,
39.5893

 58.0621, 82.1856,
50.5315

 66.2609, 86.1303,
63.6538

 75.9956, 90.8177,
79.0654

 87.3390, 96.2832,
96.8682

Harmonies

Analogous

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



53.8652, 71.6637, 4.0017



36.0830, 71.6637, 12.9676



28.1269, 71.6637, 47.6987

Triad

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



36.0830, 71.6637, 12.9676



56.4800, 71.6637, 343.1369



133.4791, 71.6637, 41.7561

Complementary

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



36.0830, 71.6637, 12.9676



56.7783, 27.6489, 83.2180

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.



134.7459, 71.6637, 119.0793



36.0830, 71.6637, 12.9676



84.6775, 71.6637, 336.9753

Square

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



36.0830, 71.6637, 12.9676



37.5447, 71.6637, 251.5019



115.0334, 71.6637, 237.9843



111.9372, 71.6637, 11.1524

Rectangle

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



36.0830, 71.6637, 12.9676



27.5304, 71.6637, 97.2442



115.0334, 71.6637, 237.9843



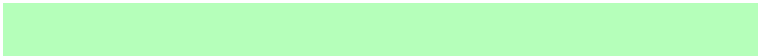
136.4604, 71.6637, 61.5290

Sweetspot

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



36.0832, 71.6637, 12.9687



63.7106, 84.9029, 59.5887



71.2989, 89.8347, 13.8691



12.8891, 17.8130, 11.5577



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.



36.0832, 71.6637, 12.9687



35.8669, 71.5627, 12.4827



41.2966, 73.7491, 40.4223



17.8227, 20.1886, 19.3695



18.7599, 37.4005, 6.6208



1.8436, 3.6484, 0.7342

Inverse Universe

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



56.7783, 27.6489, 83.2180



56.5679, 27.3911, 82.6454



44.5106, 22.7419, 18.6173



18.7350, 18.2773, 22.4876



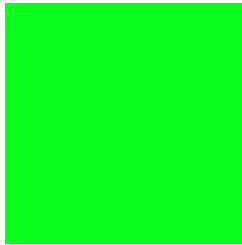
29.5811, 14.3217, 43.3060



2.8959, 1.4007, 4.2993

Previews

White Background



This preview shows how the XYZ color 36.0830, 71.6637, 12.9676 looks on a white background.

Color Contrast Check

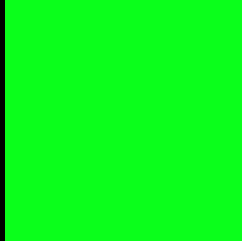
Large Text (above 18pt) WCAG AA × Fail

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 36.0830, 71.6637, 12.9676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

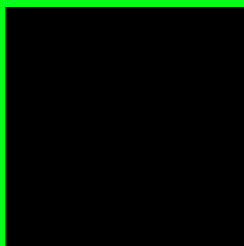
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0830, 71.6637, 12.9676

Background



This preview shows how black text looks on a background with the XYZ color 36.0830, 71.6637, 12.9676.



This preview shows how white text looks on a background with the XYZ color 36.0830, 71.6637,

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

36.0830, 71.6637, 12.9676

Protanopia

63.1267, 69.7554, 10.3954

Deuteranopia

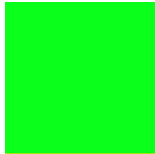
69.5683, 69.8621, 36.2037



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.0830, 71.6637, 12.9676



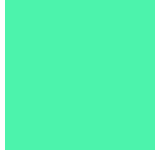
Protanomaly

43.1666, 64.6628, 10.6963



Deuteranomaly

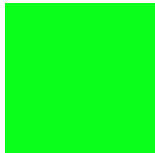
45.5439, 63.9847, 22.2618



Tritanomaly

42.4775, 68.6162, 50.0352

Monochromacy



Original Color

36.0830, 71.6637, 12.9676



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.2035, 41.6870, 21.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0830, 71.6637, 12.9676 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(10, 255, 27)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 27)  
}
```

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(10, 255, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 27) }
```

Border

The CSS property to change the border of an element to XYZ 36.0830, 71.6637, 12.9676 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(10, 255, 27) }
```


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

```
.border{ border-color:rgb(10, 255, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 255, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 27);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0830, 71.6637, 12.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 27) }
```

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

```
.background{ background-color: rgb(10, 255,  
27) }
```

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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