

Converting Colors

XYZ(36.6575, 71.9023, 15.5925)

Have a look what the booklet for
XYZ(36.6575, 71.9023, 15.5925)
contains.

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Color

**XYZ(36.6466, 71.8974,
15.5605)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFF37
RGB	15, 255, 55
RGB Percent	6%, 100%, 22%
CMY	0.9412, 0.0000, 0.7843
CMYK	0.94, 0.00, 0.78, 0.00
HSL	130°, 100%, 53%
HSV	130°, 94%, 100%
XYZ	36.6466, 71.8974, 15.5605
YIQ	160.4400, -78.8400, -113.0800

Conversions

Conversions Part 2

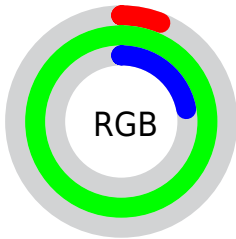
Format	Color
RYB	15, 221, 255
Decimal	1048375
CIELab	87.92, -84.01, 74.61
CIELCh	88, 112.356, 138.393
Yxy	71.8974, 0.2953, 0.5793
Android (android.graphics.Color)	4279238455 (0xFF0FFF37)
YUV	160.4400, -51.9819, -127.5509
Hunter-Lab	84.7923, -71.2402, 48.4741

Details

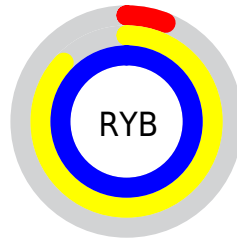
The XYZ color **36.6466, 71.8974, 15.5605** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **53.6759, 26.5078, 66.5738**, and the grayscale version is **33.8767, 35.6410, 38.8130**.

A 20% lighter version of the original color is **46.8560, 76.8693, 29.1973**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1870, 71.6908, 14.1688**, and if you desaturate by 10%, it is **37.9683, 72.5067, 18.8787**.

Distribution



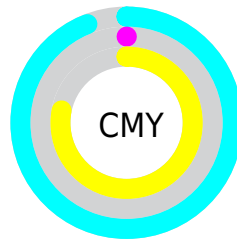
- Red (6%)
- Green (100%)
- Blue (22%)



- Red (6%)
- Yellow (87%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6466, 71.8974, 15.5605 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 36.6466, 71.8974, 15.5605 by changing the saturation by 10% instead.


 36.6466, 71.8974,
15.5605


 36.6466, 71.8974,
15.5605


323.1601,
467.1844, 238.4907


 25.1064, 53.0749,
9.0627


 69.3463, 121.9106,
36.5896


 16.2855, 37.8625,
4.6847


 91.2365, 153.8702,
51.9580


 9.8185, 25.8760,
2.0080


 117.3074,
190.9774, 71.1204

 5.3401, 16.7309,
0.5602

 147.9244,
233.6169, 94.4953

 2.4850, 10.0428,
0.0000

 183.4528,
282.1729, 122.5012

 0.8877, 5.4274,
0.0000

224.2580,

 0.0000, 2.5001,

337.0299, 155.5567

0.0000

270.7053,
398.5723, 194.0804

■ 0.0000, 0.8767,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6466, 71.8974,
15.5605

■ 36.6466, 71.8974,
15.5605

■ 36.1870, 71.6908,
14.1688

■ 37.9683, 72.5067,
18.8787

■ 40.1884, 73.5509,
23.5123

■ 43.4393, 75.0959,
29.5817

■ 47.8306, 77.1958,
37.1927

■ 53.4575, 79.8976,
46.4408

■ 60.4049, 83.2435,
57.4140

■ 68.7505, 87.2716,
70.1939

■ 78.5655, 92.0170,
84.8570

■ 89.9165, 97.5126,
101.4752

Harmonies

Analogous

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



53.3607, 71.8974, 5.1983



36.6466, 71.8974, 15.5605



29.3273, 71.8974, 52.2345

Triad

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



36.6466, 71.8974, 15.5605



58.5035, 71.8974, 329.3059



129.6691, 71.8974, 40.4026

Complementary

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



36.6466, 71.8974, 15.5605



53.6759, 26.5078, 66.5738

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.



132.0989, 71.8974, 111.8105



36.6466, 71.8974, 15.5605



85.8804, 71.8974, 317.6875

Square

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



36.6466, 71.8974, 15.5605



39.5618, 71.8974, 248.1068



114.4492, 71.8974, 222.4484



108.4856, 71.8974, 11.7283

Rectangle

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



36.6466, 71.8974, 15.5605



29.0433, 71.8974, 101.8085



114.4492, 71.8974, 222.4484



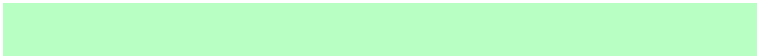
132.8776, 71.8974, 58.6950

Sweetspot

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



36.6469, 71.8975, 15.5616



65.3386, 85.6239, 65.0111



63.8707, 86.0017, 13.6857



13.2283, 17.9618, 12.7526



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.



36.6469, 71.8975, 15.5616



36.1870, 71.6908, 14.1688



43.6950, 74.7168, 52.6768



17.8951, 20.2176, 19.7504



18.9445, 37.4744, 7.5928



1.8776, 3.6620, 0.9133

Inverse Universe

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



53.6759, 26.5078, 66.5738



53.1860, 26.0384, 64.8370



43.4765, 22.4280, 12.8646



18.6550, 18.2453, 22.0662



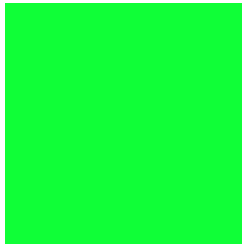
27.8390, 13.6249, 34.1322



2.7436, 1.3398, 3.4971

Previews

White Background



This preview shows how the XYZ color 36.6466, 71.8974, 15.5605 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 36.6466, 71.8974, 15.5605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

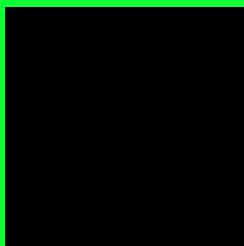
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6466, 71.8974, 15.5605

Background



This preview shows how black text looks on a background with the XYZ color 36.6466, 71.8974, 15.5605.

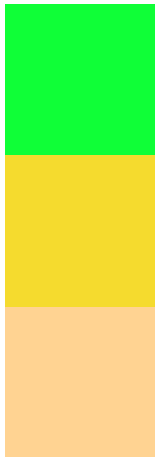


This preview shows how white text looks on a background with the XYZ color 36.6466, 71.8974,

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

36.6466, 71.8974, 15.5605

Protanopia

63.4808, 70.2728, 12.8030

Deuteranopia

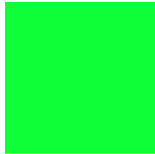
69.7226, 69.9239, 37.0160



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.6466, 71.8974, 15.5605



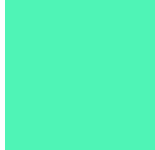
Protanomaly

44.1089, 65.5120, 13.2260



Deuteranomaly

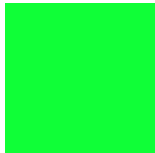
46.5982, 64.4553, 25.6079



Tritanomaly

44.0186, 69.7410, 55.3973

Monochromacy



Original Color

36.6466, 71.8974, 15.5605



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.0914, 43.5612, 25.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6466, 71.8974, 15.5605 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 36.6466, 71.8974, 15.5605 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, 55) }
```


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

```
.border{ border-color:rgb(15, 255, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6466, 71.8974, 15.5605 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, 55) }
```

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

```
.background{ background-color: rgb(15, 255,  
55) }
```

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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