

Converting Colors

XYZ(36.8035, 71.9374, 17.4148)

Have a look what the booklet for
XYZ(36.8035, 71.9374, 17.4148)
contains.

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Color

**XYZ(36.8034, 71.9374,
17.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF44
RGB	0, 255, 68
RGB Percent	0%, 100%, 27%
CMY	1.0000, 0.0000, 0.7333
CMYK	1.00, 0.00, 0.73, 0.00
HSL	136°, 100%, 50%
HSV	136°, 100%, 100%
XYZ	36.8034, 71.9374, 17.4144
YIQ	157.4370, -91.9530, -112.2170

Conversions

Conversions Part 2

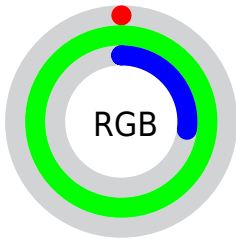
Format	Color
RYB	0, 201, 255
Decimal	65348
CIELab	87.94, -83.58, 70.64
CIELCh	88, 109.431, 139.794
Yxy	71.9374, 0.2917, 0.5702
Android (android.graphics.Color)	4278255428 (0xFF00FF44)
YUV	157.4370, -44.0924, -138.0722
Hunter-Lab	84.8159, -70.9730, 47.1977

Details

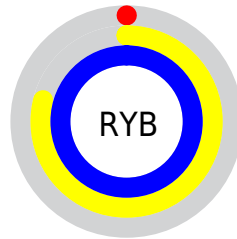
The XYZ color **36.8034, 71.9374, 17.4144** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.2093, 24.8478, 49.1615**, and the grayscale version is **32.4681, 34.1589, 37.1991**.

A 20% lighter version of the original color is **47.0620, 76.9039, 32.4422**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.8035, 71.9374, 17.4151**, and if you desaturate by 10%, it is **37.8818, 72.4165, 20.9353**.

Distribution



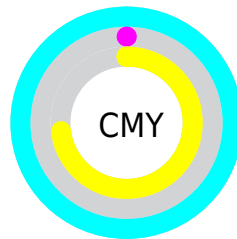
- Red (0%)
- Green (100%)
- Blue (27%)



- Red (0%)
- Yellow (79%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8034, 71.9374, 17.4144 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 36.8034, 71.9374, 17.4144 by changing the saturation by 10% instead.


 36.8034, 71.9374,
17.4144


 36.8034, 71.9374,
17.4144


323.8289,
467.3237, 249.6735

 25.2283, 53.1075,
10.3653


 69.5861, 121.9675,
39.8373


 16.3769, 37.8886,
5.5331


 91.5244, 153.9366,
56.0482


 9.8838, 25.8963,
2.4992

 117.6478,
191.0542, 76.1500

 5.3836, 16.7460,
0.8397

 148.3217,
233.7047, 100.5615

 2.5111, 10.0536,
0.0000

 183.9114,
282.2725, 129.7010

 0.9009, 5.4345,
0.0000

224.7822,

 0.0000, 2.5044,

337.1420, 163.9872

0.0000

271.2996,
398.6976, 203.8385

■ 0.0000, 0.8788,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8034, 71.9374,
17.4144

■ 36.8034, 71.9374,
17.4144

■ 36.8035, 71.9374,
17.4151

■ 37.8818, 72.4165,
20.9353

■ 39.6962, 73.2522,
25.5212

■ 42.4254, 74.5351,
31.2545

■ 46.1831, 76.3223,
38.2069

■ 51.0652, 78.6618,
46.4439

■ 57.1566, 81.5963,
56.0264

■ 64.5335, 85.1637,
67.0113

■ 73.2659, 89.3991,
79.4522

■ 83.4184, 94.3347,
93.3997

Harmonies

Analogous

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



52.7721, 71.9374, 6.0311



36.8034, 71.9374, 17.4144



29.9679, 71.9374, 55.5544

Triad

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



36.8034, 71.9374, 17.4144



59.8754, 71.9374, 321.4247



127.1823, 71.9374, 39.0911

Complementary

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



36.8034, 71.9374, 17.4144



50.2093, 24.8478, 49.1615

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.



130.4889, 71.9374, 106.6027



36.8034, 71.9374, 17.4144



86.7835, 71.9374, 305.7745

Square

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



36.8034, 71.9374, 17.4144



40.8626, 71.9374, 246.9715



114.2220, 71.9374, 212.2694



106.0859, 71.9374, 11.9023

Rectangle

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



36.8034, 71.9374, 17.4144



29.9318, 71.9374, 105.3600



114.2220, 71.9374, 212.2694



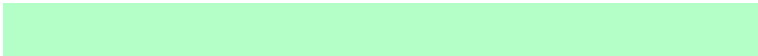
130.5851, 71.9374, 56.3662

Sweetspot

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



36.8036, 71.9375, 17.4155



64.5324, 85.1632, 67.0097



56.2538, 82.0849, 12.8792



13.1123, 17.8895, 13.3142



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.



36.8036, 71.9375, 17.4155



36.8035, 71.9374, 17.4151



45.6671, 75.4828, 64.0899



17.9705, 20.2477, 20.1474



19.2830, 37.6098, 9.3755



1.9205, 3.6791, 1.1393

Inverse Universe

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



50.2093, 24.8478, 49.1615



50.2092, 24.8477, 49.1609



42.0426, 21.5811, 6.1560



18.5737, 18.2128, 21.6384



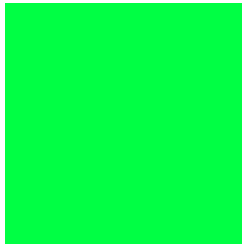
26.3006, 13.0095, 26.0313



2.6062, 1.2848, 2.7735

Previews

White Background



This preview shows how the XYZ color 36.8034, 71.9374, 17.4144 looks on a white background.

Color Contrast Check

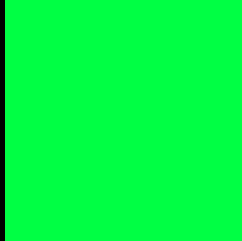
Large Text (above 18pt) WCAG AA × Fail

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 36.8034, 71.9374, 17.4144 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

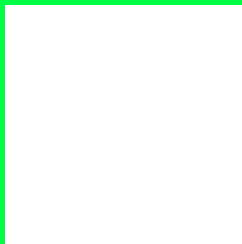
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8034, 71.9374, 17.4144

Background



This preview shows how black text looks on a background with the XYZ color 36.8034, 71.9374, 17.4144.

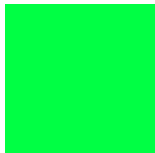


This preview shows how white text looks on a background with the XYZ color 36.8034, 71.9374,

Color Blindness Simulation

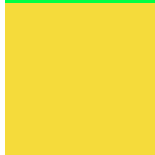
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.8034, 71.9374, 17.4144



Protanopia

63.7771, 70.3913, 14.3631



Deuteranopia

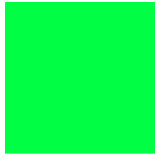
69.8796, 69.9866, 37.8427



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

36.8034, 71.9374, 17.4144



Protanomaly

43.4364, 65.1289, 14.8392



Deuteranomaly

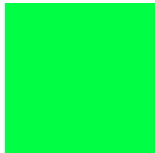
45.6992, 63.9515, 27.3880



Tritanomaly

44.1444, 69.7451, 58.1492

Monochromacy



Original Color

36.8034, 71.9374, 17.4144



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0272, 42.3299, 26.0953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8034, 71.9374, 17.4144 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(0, 255, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 68)  
}
```

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(0, 255, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 68) }
```

Border

The CSS property to change the border of an element to XYZ 36.8034, 71.9374, 17.4144 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(0, 255, 68) }
```


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

```
.border{ border-color:rgb(0, 255, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.8034, 71.9374, 17.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 68) }
```

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

```
.background{ background-color: rgb(0, 255,  
68) }
```

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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