

Converting Colors

XYZ(36.6772, 71.5178, 17.4809)

Have a look what the booklet for
XYZ(36.6772, 71.5178, 17.4809)
contains.

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Color

**XYZ(36.6036, 71.3585,
17.4746)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 07FE45 |
| RGB | 7, 254, 69 |
| RGB Percent | 3%, 100%, 27% |
| CMY | 0.9725, 0.0039, 0.7294 |
| CMYK | 0.97, 0.00, 0.73, 0.00 |
| HSL | 135°, 99%, 51% |
| HSV | 135°, 97%, 100% |
| XYZ | 36.6036, 71.3585, 17.4746 |
| YIQ | 159.0570, -87.8270, -109.8990 |

Conversions

Conversions Part 2

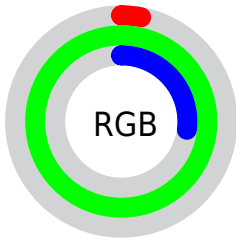
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 7, 204, 254 |
| Decimal | 523845 |
| CIELab | 87.66, -83.03, 70.03 |
| CIELCh | 88, 108.624, 139.853 |
| Yxy | 71.3585, 0.2918, 0.5689 |
| Android (android.graphics.Color) | 4278713925 (0xFF07FE45) |
| YUV | 159.0570, -44.3981, -133.3540 |
| Hunter-Lab | 84.4740, -70.4832, 46.8668 |

Details

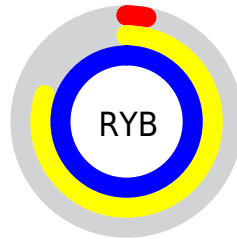
The XYZ color **36.6036, 71.3585, 17.4746** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.4650, 25.0294, 52.0397**, and the grayscale version is **33.2079, 34.9373, 38.0468**.

A 20% lighter version of the original color is **47.1985, 76.9742, 32.4486**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **36.3619, 71.2540, 16.6522**, and if you desaturate by 10%, it is **37.8142, 71.9051, 21.1254**.

Distribution



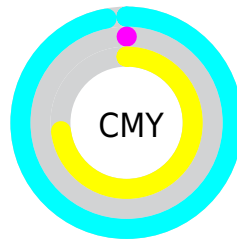
- Red (3%)
- Green (100%)
- Blue (27%)



- Red (3%)
- Yellow (80%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6036, 71.3585, 17.4746 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 36.6036, 71.3585, 17.4746 by changing the saturation by 10% instead.


 36.6036, 71.3585,
17.4746


 36.6036, 71.3585,
17.4746


322.9765,
465.3057, 250.0286


 25.0730, 52.6348,
10.4079


 69.2805, 121.1440,
39.9418


 16.2605, 37.5113,
5.5611


 91.1575, 152.9747,
56.1793


 9.8007, 25.6036,
2.5157


 117.2140,
189.9431, 76.3109

 5.3282, 16.5274,
0.8484

 147.8154,
232.4337, 100.7551

 2.4778, 9.8981,
0.0000

 183.3269,
280.8309, 129.9305

 0.8841, 5.3314,
0.0000

224.1141,

 0.0000, 2.4430,

335.5190, 164.2555

0.0000

270.5422,
396.8825, 204.1486

■ 0.0000, 0.8479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6036, 71.3585,
17.4746

■ 36.6036, 71.3585,
17.4746

■ 36.3619, 71.2540,
16.6522

■ 37.8142, 71.9051,
21.1254

■ 39.8334, 72.8428,
25.8858

■ 42.7995, 74.2431,
31.8401

■ 46.8200, 76.1601,
39.0626

■ 51.9877, 78.6401,
47.6214

■ 58.3846, 81.7240,
57.5797

■ 66.0852, 85.4491,
68.9966

■ 75.1578, 89.8494,
81.9278

■ 85.6659, 94.9565,
96.4261

Harmonies

Analogous

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



52.3735, 71.3585, 6.1064



36.6036, 71.3585, 17.4746



29.8544, 71.3585, 55.3164

Triad

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



36.6036, 71.3585, 17.4746



59.4775, 71.3585, 317.2189



125.8004, 71.3585, 38.8325

Complementary

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



36.6036, 71.3585, 17.4746



50.4650, 25.0294, 52.0397

Split Complementary

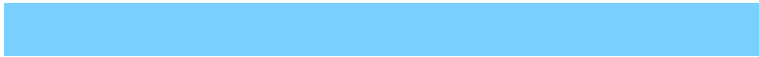
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



129.0991, 71.3585, 105.4227



36.6036, 71.3585, 17.4746



86.0487, 71.3585, 301.6328

Square

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



36.6036, 71.3585, 17.4746



40.6687, 71.3585, 244.0891



113.0981, 71.3585, 209.5060



104.9779, 71.3585, 11.9256

Rectangle

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



36.6036, 71.3585, 17.4746



29.8289, 71.3585, 104.5491



113.0981, 71.3585, 209.5060



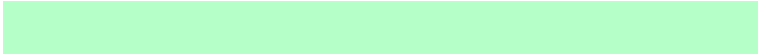
129.1667, 71.3585, 55.8883

Sweetspot

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



36.6053, 71.3614, 17.4762



65.2080, 85.5019, 67.4740



57.2841, 82.1415, 13.0367



13.2342, 17.9511, 13.3753



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.



36.6053, 71.3614, 17.4762



36.6858, 71.8903, 16.7952



45.0735, 74.7487, 62.0690



17.9586, 20.2430, 20.0849



19.2191, 37.5842, 9.0389



1.9129, 3.6761, 1.0991

Inverse Universe

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



50.4650, 25.0294, 52.0397



50.6425, 25.0210, 51.4429



42.0172, 21.6503, 7.5543



18.5864, 18.2179, 21.7050



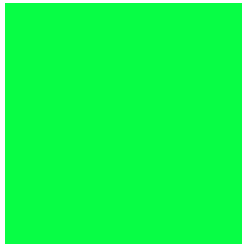
26.5249, 13.0993, 27.2124



2.6264, 1.2929, 2.8801

Previews

White Background



This preview shows how the XYZ color 36.6036, 71.3585, 17.4746 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 36.6036, 71.3585, 17.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

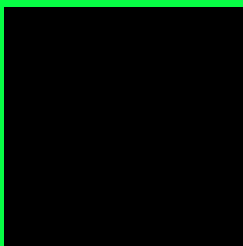
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

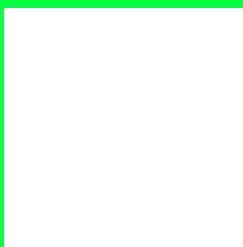
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6036, 71.3585, 17.4746

Background



This preview shows how black text looks on a background with the XYZ color 36.6036, 71.3585, 17.4746.

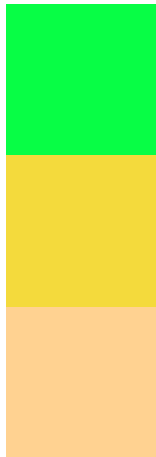


This preview shows how white text looks on a background with the XYZ color 36.6036, 71.3585,

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

36.6036, 71.3585, 17.4746

Protanopia

63.1952, 69.7021, 14.3981

Deuteranopia

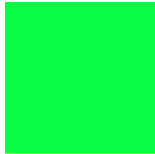
69.3974, 69.3975, 36.5255



Tritanopia

54.6010, 70.5904, 105.3553

Trichromacy



Original Color

36.6036, 71.3585, 17.4746



Protanomaly

43.5737, 64.7798, 14.9098



Deuteranomaly

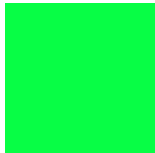
45.9243, 63.6764, 26.6999



Tritanomaly

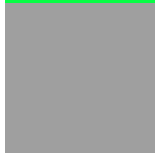
43.7679, 69.1055, 58.0456

Monochromacy



Original Color

36.6036, 71.3585, 17.4746



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.7666, 43.0330, 26.5287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6036, 71.3585, 17.4746 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(7, 254, 69)` looks like.

```
.text, #text, p{  
    color:rgb(7, 254, 69)  
}
```

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(7, 254, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 254, 69) }
```

Border

The CSS property to change the border of an element to XYZ 36.6036, 71.3585, 17.4746 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(7, 254, 69) }
```


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

```
.border{ border-color:rgb(7, 254, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 254, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 254, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 254, 69);  
box-shadow:4px 4px 4px 4px rgb(7, 254, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6036, 71.3585, 17.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 254, 69) }
```

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

```
.background{ background-color: rgb(7, 254,  
69) }
```

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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