

Converting Colors

XYZ(37.0619, 72.0653, 18.4154)

Have a look what the booklet for
XYZ(37.0619, 72.0653, 18.4154)
contains.

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Color

**XYZ(37.0586, 72.0467,
18.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	05FF4A
RGB	5, 255, 74
RGB Percent	2%, 100%, 29%
CMY	0.9804, 0.0000, 0.7098
CMYK	0.98, 0.00, 0.71, 0.00
HSL	137°, 100%, 51%
HSV	137°, 98%, 100%
XYZ	37.0586, 72.0467, 18.4318
YIQ	159.6160, -90.8990, -109.2910

Conversions

Conversions Part 2

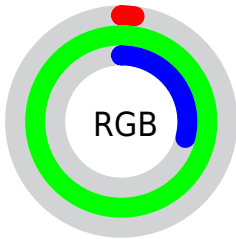
Format	Color
RYB	5, 201, 255
Decimal	393034
CIELab	87.99, -82.96, 68.66
CIELCh	88, 107.688, 140.389
Yxy	72.0467, 0.2906, 0.5649
Android (android.graphics.Color)	4278583114 (0xFF05FF4A)
YUV	159.6160, -42.2087, -135.5982
Hunter-Lab	84.8803, -70.6078, 46.5414

Details

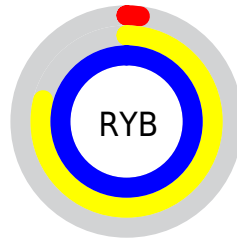
The XYZ color **37.0586, 72.0467, 18.4318** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.1567, 24.9135, 48.6169**, and the grayscale version is **33.4552, 35.1975, 38.3301**.

A 20% lighter version of the original color is **47.5326, 77.1079, 34.2079**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.8777, 71.9671, 17.8057**, and if you desaturate by 10%, it is **38.2625, 72.5845, 22.2264**.

Distribution



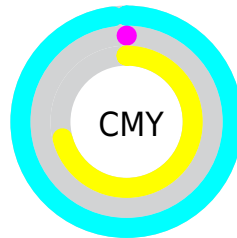
- Red (2%)
- Green (100%)
- Blue (29%)



- Red (2%)
- Yellow (79%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)



- Cyan (98%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0586, 72.0467, 18.4318 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 37.0586, 72.0467, 18.4318 by changing the saturation by 10% instead.

37.0586, 72.0467,
18.4318

37.0586, 72.0467,
18.4318

324.9153,
467.7041, 255.6111

25.4267, 53.1968,
11.0878

69.9761, 122.1229,
41.5956

16.5257, 37.9599,
6.0110

91.9926, 154.1181,
58.2524

9.9901, 25.9516,
2.7829

118.2012,
191.2637, 78.8506

5.4546, 16.7874,
0.9849

148.9674,
233.9444, 103.8088

2.5539, 10.0830,
0.0000

184.6566,
282.5443, 133.5453

0.9225, 5.4541,
0.0000

225.6340,

0.0000, 2.5161,

337.4480, 168.4789

0.0000

272.2652,
399.0398, 209.0279

■ 0.0000, 0.8847,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0586, 72.0467,
18.4318

■ 37.0586, 72.0467,
18.4318

■ 36.8777, 71.9671,
17.8057

■ 38.2625, 72.5845,
22.2264

■ 40.2563, 73.5069,
27.0851

■ 43.1850, 74.8870,
33.0839

■ 47.1572, 76.7794,
40.2902

■ 52.2662, 79.2308,
48.7659

■ 58.5941, 82.2826,
58.5686

■ 66.2157, 85.9720,
69.7523

■ 75.1994, 90.3333,
82.3680

■ 85.6086, 95.3982,
96.4642

Harmonies

Analogous

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



52.6821, 72.0467, 6.5472



37.0586, 72.0467, 18.4318



30.4326, 72.0467, 57.1353

Triad

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



37.0586, 72.0467, 18.4318



60.5644, 72.0467, 316.6342



125.9413, 72.0467, 38.7869

Complementary

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



37.0586, 72.0467, 18.4318



50.1567, 24.9135, 48.6169

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.



129.5777, 72.0467, 104.4906



37.0586, 72.0467, 18.4318



87.1529, 72.0467, 299.5304

Square

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



37.0586, 72.0467, 18.4318



41.5849, 72.0467, 245.5001



113.9728, 72.0467, 207.4814



105.0115, 72.0467, 12.1673

Rectangle

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



37.0586, 72.0467, 18.4318



30.5005, 72.0467, 106.7977



113.9728, 72.0467, 207.4814



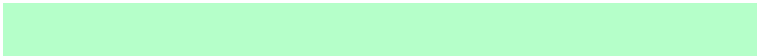
129.3996, 72.0467, 55.6175

Sweetspot

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



37.0589, 72.0468, 18.4330



65.4248, 85.5886, 68.6156



56.6088, 82.2648, 13.0387



13.2847, 17.9713, 13.6410



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.



37.0589, 72.0468, 18.4330



36.8777, 71.9671, 17.8057



45.8625, 75.5682, 64.7925



17.9776, 20.2506, 20.1848



19.3231, 37.6258, 9.5869



1.9252, 3.6810, 1.1641

Inverse Universe

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



50.1567, 24.9135, 48.6169



49.9563, 24.7465, 47.8295



42.2009, 21.7312, 6.7221



18.5662, 18.2098, 21.5987



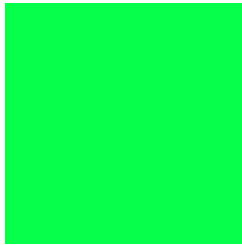
26.1697, 12.9572, 25.3418



2.5943, 1.2801, 2.7110

Previews

White Background



This preview shows how the XYZ color 37.0586, 72.0467, 18.4318 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 37.0586, 72.0467, 18.4318 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 37.0586, 72.0467, 18.4318

Background



This preview shows how black text looks on a background with the XYZ color 37.0586, 72.0467, 18.4318.

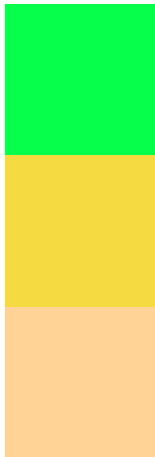


This preview shows how white text looks on a background with the XYZ color 37.0586, 72.0467,

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

37.0586, 72.0467, 18.4318

Protanopia

63.9418, 70.4572, 15.2305

Deuteranopia

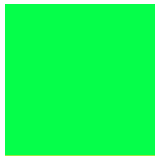
69.9591, 70.0185, 38.2614



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

37.0586, 72.0467, 18.4318



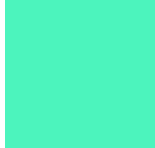
Protanomaly

44.0006, 65.3997, 15.7732



Deuteranomaly

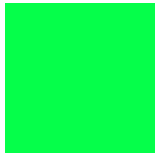
46.2918, 64.2358, 28.3713



Tritanomaly

44.5165, 69.9120, 59.2922

Monochromacy



Original Color

37.0586, 72.0467, 18.4318



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.1865, 43.5582, 27.6382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0586, 72.0467, 18.4318 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(5, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(5, 255, 74)  
}
```

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(5, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 255, 74) }
```

Border

The CSS property to change the border of an element to XYZ 37.0586, 72.0467, 18.4318 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(5, 255, 74) }
```


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

```
.border{ border-color:rgb(5, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(5, 255, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0586, 72.0467, 18.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 255, 74) }
```

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

```
.background{ background-color: rgb(5, 255,  
74) }
```

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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