

Converting Colors

XYZ(38.6137, 72.9004, 16.1500)

Have a look what the booklet for
XYZ(38.6137, 72.9004, 16.1500)
contains.

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Color

**XYZ(38.5993, 72.8925,
16.1729)**

Conversions

Conversions Part 1

Format	Color
Hex	3FFF3B
RGB	63, 255, 59
RGB Percent	25%, 100%, 23%
CMY	0.7529, 0.0000, 0.7686
CMYK	0.75, 0.00, 0.77, 0.00
HSL	119°, 100%, 62%
HSV	119°, 77%, 100%
XYZ	38.5993, 72.8925, 16.1729
YIQ	175.2480, -51.5160, -101.6600

Conversions

Conversions Part 2

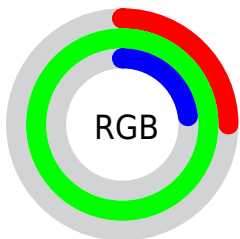
Format	Color
RYB	59, 255, 251
Decimal	4194107
CIELab	88.40, -79.72, 74.08
CIELCh	88, 108.820, 137.101
Yxy	72.8925, 0.3023, 0.5710
Android (android.graphics.Color)	4282384187 (0xFF3FFF3B)
YUV	175.2480, -57.3103, -98.4415
Hunter-Lab	85.3771, -68.7094, 48.5327

Details

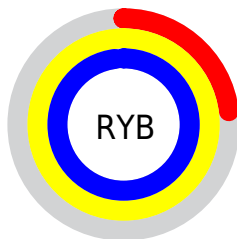
The XYZ color **38.5993, 72.8925, 16.1729** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.4008, 30.8594, 97.4334**, and the grayscale version is **41.1835, 43.3283, 47.1845**.

A 20% lighter version of the original color is **49.7976, 78.3650, 30.2707**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.8417, 72.0451, 13.4408**, and if you desaturate by 10%, it is **41.4029, 74.2419, 20.6402**.

Distribution



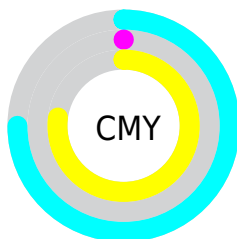
- Red (25%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (98%)



- Cyan (75%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5993, 72.8925, 16.1729 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 38.5993, 72.8925, 16.1729 by changing the saturation by 10% instead.


 38.5993, 72.8925,
16.1729


 38.5993, 72.8925,
16.1729


331.4204,
470.6421, 242.2403


 26.6275, 53.8881,
9.4909


 72.3238, 123.3246,
37.6691

 17.4288, 38.5122,
4.9616


 94.8071, 155.5210,
53.3203

 10.6379, 26.3804,
2.1664


 121.5251,
192.8836, 72.7984

 5.8894, 17.1085,
0.6549

 152.8429,
235.7967, 96.5219

 2.8179, 10.3119,
0.0000

 189.1260,
284.6447, 124.9092

 1.0582, 5.6062,
0.0000

230.7397,

 0.0000, 2.6071,

339.8120, 158.3791

0.0000

278.0494,
401.6830, 197.3499

■ 0.0000, 0.9303,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5993, 72.8925,
16.1729

■ 38.5993, 72.8925,
16.1729

■ 36.8417, 72.0451,
13.4408

■ 41.4029, 74.2419,
20.6402

■ 35.9704, 71.6234,
12.1588

■ 45.3800, 76.1541,
27.0616

■ 35.8250, 71.5535,
11.9230

■ 50.6407, 78.6820,
35.6278

■ 57.2822, 81.8719,
46.5057

■ 65.3923, 85.7659,
59.8460

■ 75.0516, 90.4026,
75.7865

■ 86.3348, 95.8179,
94.4549

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.5283, 72.8925, 5.9711



38.5993, 72.8925, 16.1729



30.9291, 72.8925, 51.3739

Triad

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



38.5993, 72.8925, 16.1729



58.6561, 72.8925, 318.6214



129.2833, 72.8925, 44.1179

Complementary

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



38.5993, 72.8925, 16.1729



59.4008, 30.8594, 97.4334

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.



130.7341, 72.8925, 116.0356



38.5993, 72.8925, 16.1729



85.1380, 72.8925, 311.7723

Square

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



38.5993, 72.8925, 16.1729



40.3904, 72.8925, 238.4155



113.0106, 72.8925, 223.2158



109.4386, 72.8925, 13.7242

Rectangle

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



38.5993, 72.8925, 16.1729



30.4162, 72.8925, 98.5243



113.0106, 72.8925, 223.2158



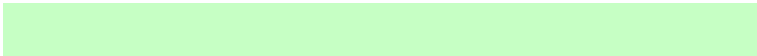
132.0871, 72.8925, 62.8703

Sweetspot

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



38.5996, 72.8926, 16.1741



68.9326, 87.4655, 65.6831



75.7408, 88.9981, 17.3252



14.0436, 18.3800, 12.8870



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.



38.5996, 72.8926, 16.1741



36.2952, 71.7809, 12.6228



43.1071, 74.6673, 41.1937



17.8058, 20.1858, 19.1021



18.7341, 37.3959, 6.2307



1.8356, 3.6470, 0.6072

Inverse Universe

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



59.4008, 30.8594, 97.4334



57.8109, 28.0994, 96.9845



49.4635, 27.0524, 37.5178



18.7539, 18.2804, 22.7900



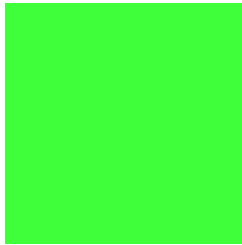
30.0118, 14.3821, 50.6288



2.9333, 1.4061, 4.9301

Previews

White Background



This preview shows how the XYZ color 38.5993, 72.8925, 16.1729 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 38.5993, 72.8925, 16.1729 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 38.5993, 72.8925, 16.1729

Background



This preview shows how black text looks on a background with the XYZ color 38.5993, 72.8925, 16.1729.

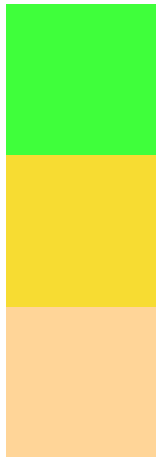


This preview shows how white text looks on a background with the XYZ color 38.5993, 72.8925,

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

38.5993, 72.8925, 16.1729

Protanopia

64.5267, 71.1908, 13.3579

Deuteranopia

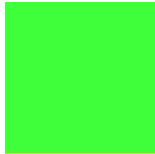
70.7017, 71.1155, 39.7060



Tritanopia

57.2363, 72.3776, 105.5613

Trichromacy



Original Color

38.5993, 72.8925, 16.1729



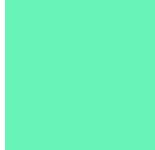
Protanomaly

48.6039, 68.2382, 13.9777



Deuteranomaly

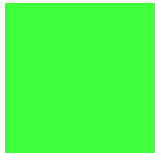
51.0210, 67.1091, 27.4038



Tritanomaly

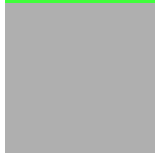
46.7113, 71.1051, 56.6101

Monochromacy



Original Color

38.5993, 72.8925, 16.1729



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.6580, 49.9475, 29.9518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5993, 72.8925, 16.1729 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(63, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 59)  
}
```

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(63, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 59) }
```

Border

The CSS property to change the border of an element to XYZ 38.5993, 72.8925, 16.1729 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(63, 255, 59) }
```


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

```
.border{ border-color:rgb(63, 255, 59) }
```

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

Here you see how a box with a 4 pixel rgb(63, 255, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5993, 72.8925, 16.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 59) }
```

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

```
.background{ background-color: rgb(63, 255,  
59) }
```

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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