

Converting Colors

XYZ(38.3923, 70.9490, 16.0522)

Have a look what the booklet for
XYZ(38.3923, 70.9490, 16.0522)
contains.

| | |
|--|----|
| XYZ(38.4001, 70.9091, 16.0778) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(38.4001, 70.9091,
16.0778)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4DFB3D |
| RGB | 77, 251, 61 |
| RGB Percent | 30%, 98%, 24% |
| CMY | 0.6980, 0.0157, 0.7608 |
| CMYK | 0.69, 0.00, 0.76, 0.02 |
| HSL | 115°, 96%, 61% |
| HSV | 115°, 76%, 98% |
| XYZ | 38.4001, 70.9091, 16.0778 |
| YIQ | 177.3140, -42.7140, -95.9780 |

Conversions

Conversions Part 2

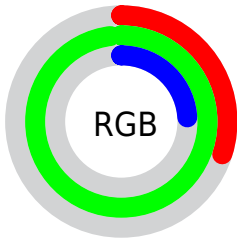
| Format | Color |
|-------------------------------------|--|
| RYB | 61, 251, 235 |
| Decimal | 5110589 |
| CIELab | 87.44, -76.23, 72.64 |
| CIElCh | 87, 105.298, 136.385 |
| Yxy | 70.9091, 0.3063, 0.5655 |
| Android (android.graphics.Color) | 4283300669 (0xFF4DFB3D) |
| YUV | 177.3140, -57.3428, -87.9754 |
| Hunter-Lab | 84.2075, -65.9641, 47.6250 |

Details

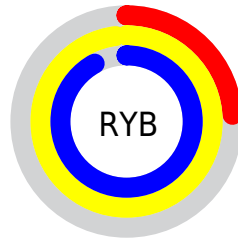
The XYZ color **38.4001, 70.9091, 16.0778** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **53.3473, 27.9678, 93.8572**, and the grayscale version is **42.2655, 44.4666, 48.4241**.

A 20% lighter version of the original color is **51.4239, 79.1964, 30.6653**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **36.3377, 69.9087, 13.2402**, and if you desaturate by 10%, it is **41.4369, 72.3795, 20.6137**.

Distribution



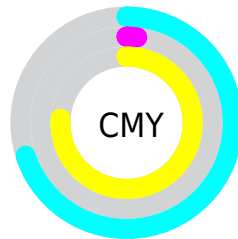
- Red (30%)
- Green (98%)
- Blue (24%)



- Red (24%)
- Yellow (98%)
- Blue (92%)



- Cyan (69%)
- Magenta (0%)
- Yellow (76%)
- Black (2%)



- Cyan (70%)
- Magenta (2%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4001, 70.9091, 16.0778 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 38.4001, 70.9091, 16.0778 by changing the saturation by 10% instead.


 38.4001, 70.9091,
16.0778


 38.4001, 70.9091,
16.0778


330.5844,
463.7356, 241.6617


 26.4720, 52.2680,
9.4243


 72.0209, 120.5043,
37.5019

 17.3116, 37.2188,
4.9184


 94.4444, 152.2272,
53.1095


 10.5536, 25.3769,
2.1415


 121.0969,
189.0795, 72.5389

 5.8326, 16.3581,
0.6403

 152.3440,
231.4455, 96.2087

 2.7832, 9.7779,
0.0000

 188.5509,
279.7098, 124.5373

 1.0402, 5.2519,
0.0000

230.0831,

 0.0000, 2.3958,

334.2566, 157.9433

0.0000

277.3058,
395.4704, 196.8453

■ 0.0000, 0.8237,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4001, 70.9091,
16.0778

■ 38.4001, 70.9091,
16.0778

■ 36.3377, 69.9087,
13.2402

■ 41.4369, 72.3795,
20.6137


■ 35.1238, 69.3127,
11.8382


■ 45.5443, 74.3587,
27.0515


■ 34.8106, 69.1581,
11.5141


■ 50.8122, 76.8913,
35.5713

■ 57.3196, 80.0146,
46.3312

 65.1386, 83.7626,
59.4738

 74.3360, 88.1670,
75.1301

 84.9736, 93.2571,
93.4214

 93.7886, 97.4772,
108.4795

Harmonies

Analogous

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



54.8044, 70.9091, 6.2925



38.4001, 70.9091, 16.0778



30.8254, 70.9091, 49.2833

Triad

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



38.4001, 70.9091, 16.0778



56.7700, 70.9091, 300.9746



124.3718, 70.9091, 44.6992

Complementary

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



38.4001, 70.9091, 16.0778



53.3473, 27.9678, 93.8572

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.



125.2729, 70.9091, 114.0806



38.4001, 70.9091, 16.0778



81.7843, 70.9091, 296.7564

Square

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



38.4001, 70.9091, 16.0778



39.5329, 70.9091, 224.5687



108.2159, 70.9091, 215.1775



105.9931, 70.9091, 14.4908

Rectangle

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



38.4001, 70.9091, 16.0778



30.2089, 70.9091, 93.4367



108.2159, 70.9091, 215.1775



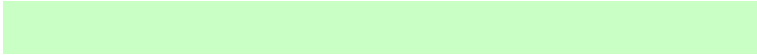
126.8602, 70.9091, 62.9764

Sweetspot

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



38.4018, 70.9121, 16.0794



69.9283, 87.9788, 65.7297



69.4858, 78.5631, 15.9179



14.2762, 18.4999, 12.8978



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.



38.4018, 70.9121, 16.0794



36.8889, 72.0841, 12.7774



40.9394, 71.7959, 35.3696



17.1528, 19.3790, 18.2989



18.3448, 36.3754, 6.0543



1.7439, 3.3921, 0.5628

Inverse Universe

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



53.3473, 27.9678, 93.8572



52.7708, 25.5726, 96.7624



49.1929, 26.9438, 43.1684



17.8405, 17.4459, 21.8124



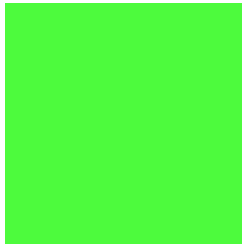
26.3457, 12.5244, 49.0024



2.4813, 1.1812, 4.5404

Previews

White Background



This preview shows how the XYZ color 38.4001, 70.9091, 16.0778 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 38.4001, 70.9091, 16.0778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

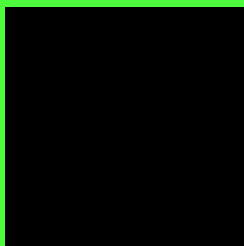
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4001, 70.9091, 16.0778

Background



This preview shows how black text looks on a background with the XYZ color 38.4001, 70.9091, 16.0778.

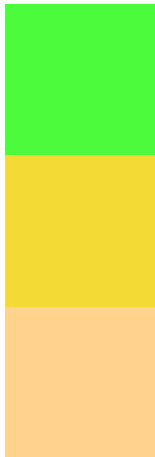


This preview shows how white text looks on a background with the XYZ color 38.4001, 70.9091,

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

38.4001, 70.9091, 16.0778

Protanopia

62.9995, 69.6238, 13.3671

Deuteranopia

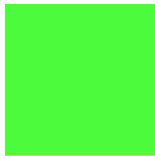
69.1691, 69.3062, 35.3230



Tritanopia

55.6099, 70.2975, 103.5663

Trichromacy



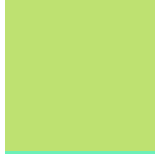
Original Color

38.4001, 70.9091, 16.0778



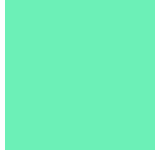
Protanomaly

48.5148, 66.9367, 13.9775



Deuteranomaly

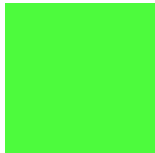
51.1411, 65.9898, 25.6647



Tritanomaly

45.8917, 68.9272, 55.6853

Monochromacy



Original Color

38.4001, 70.9091, 16.0778



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

36.9505, 50.5977, 30.7405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4001, 70.9091, 16.0778 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(77, 251, 61)` looks like.

```
.text, #text, p{  
    color:rgb(77, 251, 61)  
}
```

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(77, 251, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 251, 61) }
```

Border

The CSS property to change the border of an element to XYZ 38.4001, 70.9091, 16.0778 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(77, 251, 61) }
```


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

```
.border{ border-color:rgb(77, 251, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 251, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 251, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 251, 61);  
box-shadow:4px 4px 4px 4px rgb(77, 251,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4001, 70.9091, 16.0778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 251, 61) }
```

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

```
.background{ background-color: rgb(77, 251,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor