

Converting Colors

XYZ(38.0929, 71.6873, 15.2023)

Have a look what the booklet for
XYZ(38.0929, 71.6873, 15.2023)
contains.

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Color

**XYZ(38.0826, 71.7009,
15.2007)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 43FD35 |
| RGB | 67, 253, 53 |
| RGB Percent | 26%, 99%, 21% |
| CMY | 0.7373, 0.0078, 0.7921 |
| CMYK | 0.74, 0.00, 0.79, 0.01 |
| HSL | 116°, 98%, 60% |
| HSV | 116°, 79%, 99% |
| XYZ | 38.0826, 71.7009, 15.2007 |
| YIQ | 174.5860, -46.6560, -101.6320 |

Conversions

Conversions Part 2

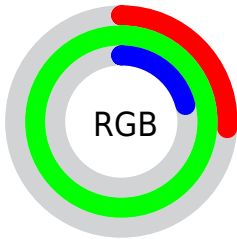
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 53, 253, 239 |
| Decimal | 4455733 |
| CIELab | 87.82, -78.91, 75.26 |
| CIELCh | 88, 109.042, 136.358 |
| Yxy | 71.7009, 0.3047, 0.5737 |
| Android (android.graphics.Color) | 4282645813 (0xFF43FD35) |
| YUV | 174.5860, -59.9419, -94.3529 |
| Hunter-Lab | 84.6764, -67.9046, 48.6300 |

Details

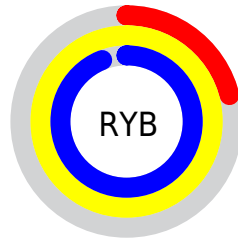
The XYZ color **38.0826, 71.7009, 15.2007** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.6055, 27.9925, 95.4574**, and the grayscale version is **40.8525, 42.9800, 46.8052**.

A 20% lighter version of the original color is **50.0098, 78.5086, 28.7375**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **36.3489, 70.8597, 12.8420**, and if you desaturate by 10%, it is **40.7813, 73.0083, 19.2088**.

Distribution



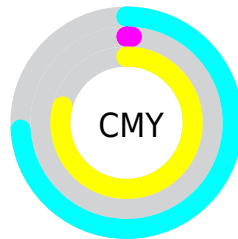
- Red (26%)
- Green (99%)
- Blue (21%)



- Red (21%)
- Yellow (99%)
- Blue (94%)



- Cyan (74%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)





- Cyan (74%)
- Magenta (1%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0826, 71.7009, 15.2007 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 38.0826, 71.7009, 15.2007 by changing the saturation by 10% instead.


 38.0826, 71.7009,
15.2007


 38.0826, 71.7009,
15.2007


329.2489,
466.4999, 236.2603


 26.2243, 52.9144,
8.8122


 71.5378, 121.6312,
35.9522


 17.1251, 37.7344,
4.5237


 93.8654, 153.5438,
51.1522


 10.4196, 25.7766,
1.9168


 120.4135,
190.6005, 70.1264

 5.7424, 16.6566,
0.5034

 151.5475,
233.1857, 93.2935

 2.7283, 9.9900,
0.0000

 187.6327,
281.6839, 121.0718

 1.0117, 5.3923,
0.0000

229.0344,

 0.0000, 2.4792,

336.4794, 153.8801

0.0000

276.1180,
397.9566, 192.1367

■ 0.0000, 0.8662,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0826, 71.7009,
15.2007

■ 38.0826, 71.7009,
15.2007

■ 36.3489, 70.8597,
12.8420

■ 40.7813, 73.0083,
19.2088

■ 35.4272, 70.4068,
11.7918

■ 44.5530, 74.8266,
25.0880

■ 35.3706, 70.3792,
11.7203

■ 49.4971, 77.2046,
33.0311

■ 55.6997, 80.1834,
43.2055

■ 63.2392, 83.8001,
55.7618

■ 72.1876, 88.0887,
70.8371

■ 82.6115, 93.0810,
88.5584

94.4167, 98.7335,
108.6889

Harmonies

Analogous

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



55.0603, 71.7009, 5.6006



38.0826, 71.7009, 15.2007



30.2973, 71.7009, 49.0239

Triad

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



38.0826, 71.7009, 15.2007



57.0626, 71.7009, 314.9797



127.9949, 71.7009, 44.3884

Complementary

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



38.0826, 71.7009, 15.2007



54.6055, 27.9925, 95.4574

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.



128.9274, 71.7009, 116.7849



38.0826, 71.7009, 15.2007



83.1644, 71.7009, 310.5649

Square

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



38.0826, 71.7009, 15.2007



39.2266, 71.7009, 233.5140



110.9297, 71.7009, 223.7274



108.6354, 71.7009, 13.6503

Rectangle

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



38.0826, 71.7009, 15.2007



29.6617, 71.7009, 94.9590



110.9297, 71.7009, 223.7274



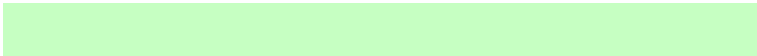
130.6158, 71.7009, 63.3127

Sweetspot

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



38.0843, 71.7039, 15.2023



68.7852, 87.4228, 64.1702



71.2455, 81.3266, 15.3119



14.0475, 18.3884, 12.5994



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.



38.0843, 71.7039, 15.2023



36.3576, 71.8199, 12.3188



41.0637, 72.7979, 35.3069



17.8892, 20.2288, 19.1060



18.8570, 37.4592, 6.2365



1.8751, 3.6674, 0.6091

Inverse Universe

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



54.6055, 27.9925, 95.4574



53.4689, 25.6880, 96.7479



49.0081, 26.3205, 40.3658



18.6598, 18.2319, 22.7856



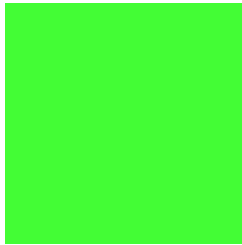
27.7622, 13.2224, 50.5235



2.7392, 1.3060, 4.9210

Previews

White Background



This preview shows how the XYZ color 38.0826, 71.7009, 15.2007 looks on a white background.

Color Contrast Check

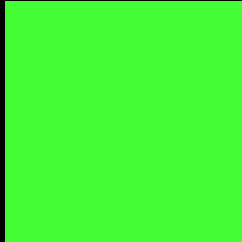
Large Text (above 18pt) WCAG AA × Fail

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 38.0826, 71.7009, 15.2007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

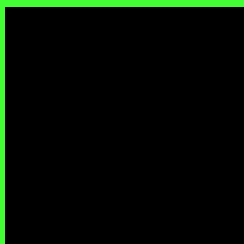
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0826, 71.7009, 15.2007

Background



This preview shows how black text looks on a background with the XYZ color 38.0826, 71.7009, 15.2007.

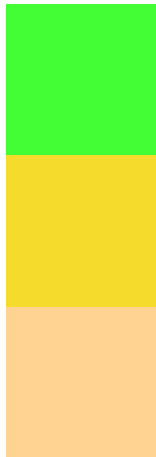


This preview shows how white text looks on a background with the XYZ color 38.0826, 71.7009,

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

38.0826, 71.7009, 15.2007

Protanopia

63.4423, 70.2574, 12.6001

Deuteranopia

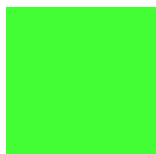
69.7226, 69.9239, 37.0160



Tritanopia

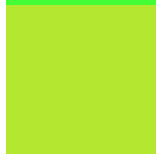
55.9306, 71.2759, 105.4175

Trichromacy



Original Color

38.0826, 71.7009, 15.2007



Protanomaly

47.9114, 67.0604, 13.1081



Deuteranomaly

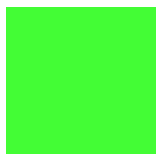
50.6145, 66.1274, 25.4254



Tritanomaly

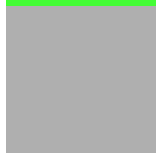
45.5625, 69.6484, 55.2981

Monochromacy



Original Color

38.0826, 71.7009, 15.2007



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.6060, 49.5848, 29.1669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0826, 71.7009, 15.2007 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(67, 253, 53)` looks like.

```
.text, #text, p{  
    color:rgb(67, 253, 53)  
}
```

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(67, 253, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 253, 53) }
```

Border

The CSS property to change the border of an element to XYZ 38.0826, 71.7009, 15.2007 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(67, 253, 53) }
```


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

```
.border{ border-color:rgb(67, 253, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 253, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 253, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 253, 53);  
box-shadow:4px 4px 4px 4px rgb(67, 253,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0826, 71.7009, 15.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 253, 53) }
```

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

```
.background{ background-color: rgb(67, 253,  
53) }
```

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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