

Converting Colors

XYZ(38.7415, 67.5348, 11.7031)

Have a look what the booklet for
XYZ(38.7415, 67.5348, 11.7031)
contains.

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Color

**XYZ(38.7415, 67.5348,
11.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	6FF315
RGB	111, 243, 21
RGB Percent	44%, 95%, 8%
CMY	0.5647, 0.0470, 0.9176
CMYK	0.54, 0.00, 0.91, 0.05
HSL	96°, 90%, 52%
HSV	96°, 91%, 95%
XYZ	38.7415, 67.5348, 11.7031
YIQ	178.2240, -7.4100, -97.0260

Conversions

Conversions Part 2

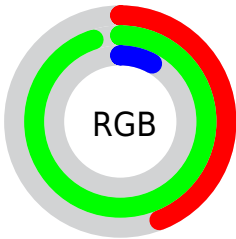
Format	Color
R _Y B	21, 243, 153
Decimal	7336725
CIE Lab	85.77, -67.96, 80.38
CIE LCh	86, 105.256, 130.212
Yxy	67.5348, 0.3284, 0.5724
Android (android.graphics.Color)	4285526805 (0xFF6FF315)
YUV	178.2240, -77.5114, -58.9554
Hunter-Lab	82.1796, -59.6649, 49.0823

Details

The XYZ color **38.7415, 67.5348, 11.7031** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **29.5886, 13.7833, 85.8986**, and the grayscale version is **42.8392, 45.0702, 49.0814**.

A 20% lighter version of the original color is **55.3269, 81.3632, 23.8550**, and **18.1240, 35.4091, 5.8794** is the 20% darker color. If you saturate the color by 10%, you get **37.1431, 66.7285, 10.9223**, and if you desaturate by 10%, it is **41.0552, 68.6899, 13.6098**.

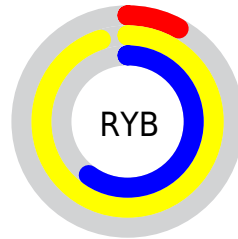
Distribution



Red (44%)

Green (95%)

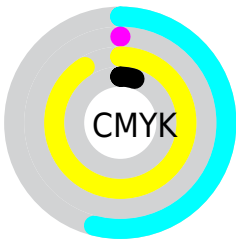
Blue (8%)



Red (8%)

Yellow (95%)

Blue (60%)

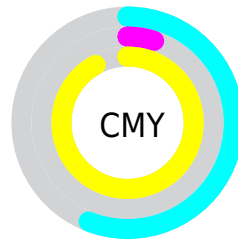


Cyan (54%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (56%)


Magenta (5%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7415, 67.5348, 11.7031 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 38.7415, 67.5348, 11.7031 by changing the saturation by 10% instead.


 38.7415, 67.5348,
11.7031


 38.7415, 67.5348,
11.7031


332.0163,
451.8460, 213.3374


 26.7385, 49.5194,
6.4218


 72.5399, 115.6864,
29.6095


 17.5125, 35.0317,
3.0303


 95.0659, 146.5913,
43.0716


 10.6981, 23.6873,
1.1101


 121.8304,
182.5616, 60.0977


 5.9300, 15.1018,
0.0000

 153.1986,
223.9815, 81.1064

 2.8428, 8.8909,
0.0000

 189.5360,
271.2355, 106.5161

 1.0712, 4.6701,
0.0000

 231.2078,

 0.0008, 2.0550,

324.7080, 136.7455

0.0000

278.5795,
384.7834, 172.2131

■ 0.0000, 0.6391,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7415, 67.5348,
11.7031

■ 38.7415, 67.5348,
11.7031

■ 37.1431, 66.7285,
10.9223

■ 41.0552, 68.6899,
13.6098

■ 43.9441, 70.1082,
16.9481

■ 47.4623, 71.8153,
21.9316

■ 51.6550, 73.8304,
28.7372

■ 56.5624, 76.1710,
37.5190

■ 62.2212, 78.8529,
48.4146

■ 68.6653, 81.8909,
61.5494

■ 75.9261, 85.2987,
77.0390

■ 84.0336, 89.0893,
94.9910

Harmonies

Analogous

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



56.3415, 67.5348, 5.0553



38.7415, 67.5348, 11.7031



29.7903, 67.5348, 37.2176

Triad

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



38.7415, 67.5348, 11.7031



49.7840, 67.5348, 281.5484



121.2456, 67.5348, 52.4796

Complementary

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



38.7415, 67.5348, 11.7031



29.5886, 13.7833, 85.8986

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.



118.2207, 67.5348, 128.0443



38.7415, 67.5348, 11.7031



72.7351, 67.5348, 295.7738

Square

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



38.7415, 67.5348, 11.7031



34.9755, 67.5348, 196.3239



98.8802, 67.5348, 227.9444



106.3345, 67.5348, 16.9157

Rectangle

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



38.7415, 67.5348, 11.7031



28.1848, 67.5348, 74.0252



98.8802, 67.5348, 227.9444



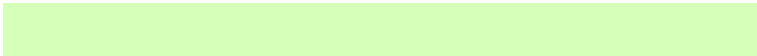
122.3670, 67.5348, 73.0449

Sweetspot

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



38.7431, 67.5377, 11.7046



72.3873, 89.3764, 59.9742



48.0874, 41.0860, 6.1064



14.9830, 18.8891, 11.8090



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.



38.7431, 67.5377, 11.7046



41.3951, 74.4250, 12.1837



32.7366, 64.4136, 12.6726



16.9181, 18.7999, 17.5346



20.5278, 36.6953, 6.0010



1.9174, 3.2835, 0.5327

Inverse Universe

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



29.5886, 13.7833, 85.8986



30.9313, 13.8605, 95.6528



50.7556, 25.0019, 73.0321



16.5261, 16.4139, 20.8397



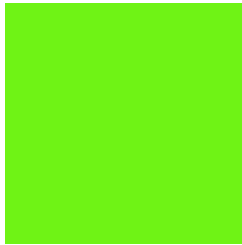
15.3962, 6.9114, 47.0606



1.4693, 0.6673, 4.1416

Previews

White Background



This preview shows how the XYZ color 38.7415, 67.5348, 11.7031 looks on a white background.

Color Contrast Check

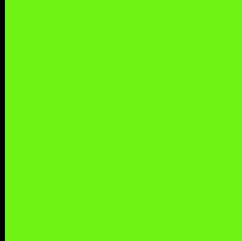
Large Text (above 18pt) WCAG AA × Fail

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 38.7415, 67.5348, 11.7031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

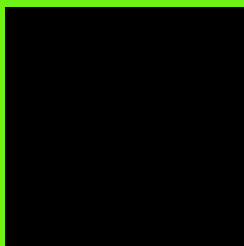
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7415, 67.5348, 11.7031

Background



This preview shows how black text looks on a background with the XYZ color 38.7415, 67.5348, 11.7031.



This preview shows how white text looks on a background with the XYZ color 38.7415, 67.5348,

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

38.7415, 67.5348, 11.7031

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

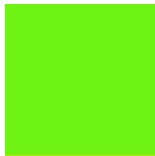
66.5225, 66.3031, 27.3808



Tritanopia

55.3796, 67.0354, 95.6083

Trichromacy



Original Color

38.7415, 67.5348, 11.7031



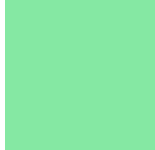
Protanomaly

48.6918, 64.6663, 10.1452



Deuteranomaly

51.5998, 64.0154, 18.2309



Tritanomaly

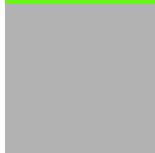
45.1403, 65.3441, 44.8839

Monochromacy



Original Color

38.7415, 67.5348, 11.7031



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.8981, 50.4916, 25.8376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7415, 67.5348, 11.7031 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(111, 243, 21)` looks like.

```
.text, #text, p{  
    color:rgb(111, 243, 21)  
}
```

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(111, 243, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 243, 21) }
```

Border

The CSS property to change the border of an element to XYZ 38.7415, 67.5348, 11.7031 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(111, 243, 21) }
```


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

```
.border{ border-color:rgb(111, 243, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 243, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 243, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 243, 21);  
box-shadow:4px 4px 4px 4px rgb(111, 243,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7415, 67.5348, 11.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 243, 21) }
```

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

```
.background{ background-color: rgb(111,  
243, 21) }
```

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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