

Converting Colors

XYZ(39.7730, 68.5178, 11.5809)

Have a look what the booklet for
XYZ(39.7730, 68.5178, 11.5809)
contains.

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Color

**XYZ(39.7730, 68.5178,
11.5809)**

Conversions

Conversions Part 1

Format	Color
Hex	75F40F
RGB	117, 244, 15
RGB Percent	46%, 96%, 6%
CMY	0.5412, 0.0431, 0.9411
CMYK	0.52, 0.00, 0.94, 0.04
HSL	93°, 91%, 51%
HSV	93°, 94%, 96%
XYZ	39.7730, 68.5178, 11.5809
YIQ	179.9210, -2.1830, -98.1430

Conversions

Conversions Part 2

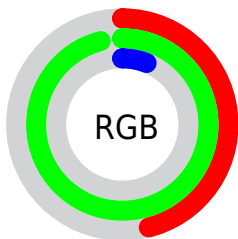
Format	Color
R_{YB}	15, 244, 142
Decimal	7730191
CIE _{Lab}	86.26, -66.81, 81.56
CIE _{LCh}	86, 105.431, 129.324
Yxy	68.5178, 0.3318, 0.5716
Android (android.graphics.Color)	4285920271 (0xFF75F40F)
YUV	179.9210, -81.3061, -55.1817
Hunter-Lab	82.7755, -59.0892, 49.6477

Details

The XYZ color **39.7730, 68.5178, 11.5809** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **27.6619, 12.6280, 86.5713**, and the grayscale version is **43.7668, 46.0461, 50.1442**.

A 20% lighter version of the original color is **56.6028, 82.0315, 23.4401**, and **18.7666, 36.0542, 5.9701** is the 20% darker color. If you saturate the color by 10%, you get **38.6177, 67.9343, 11.0773**, and if you desaturate by 10%, it is **42.0134, 69.6417, 13.1846**.

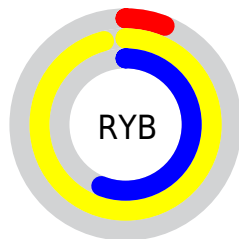
Distribution



Red (46%)

Green (96%)

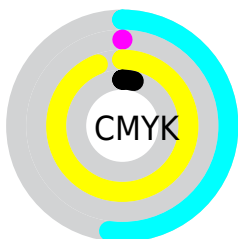
Blue (6%)



Red (6%)

Yellow (96%)

Blue (56%)

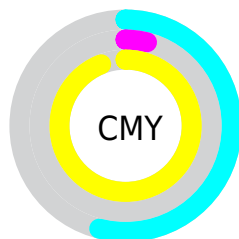


Cyan (52%)

Magenta (0%)

Yellow (94%)

Black (4%)



Cyan (54%)

Magenta (4%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7730, 68.5178, 11.5809 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 39.7730, 68.5178, 11.5809 by changing the saturation by 10% instead.

■ 39.7730, 68.5178,
11.5809

■ 39.7730, 68.5178,
11.5809

336.3167,
455.3284, 212.4891

■ 27.5450, 50.3191,
6.3399

■ 74.1043, 117.0926,
29.3824

■ 18.1217, 35.6670,
2.9808

■ 96.9383, 148.2375,
42.7799

■ 11.1376, 24.1771,
1.0848

■ 124.0383,
184.4665, 59.7334

■ 6.2274, 15.4651,
0.0000

■ 155.7698,
226.1642, 80.6614

■ 3.0258, 9.1464,
0.0000

■ 192.4980,
273.7148, 105.9825

■ 1.1674, 4.8368,
0.0000

■ 234.5883,

■ 0.0804, 2.1518,

327.5028, 136.1151

0.0000

282.4061,
387.9125, 171.4778

■ 0.0000, 0.6935,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7730, 68.5178,
11.5809

■ 39.7730, 68.5178,
11.5809

■ 38.6177, 67.9343,
11.0773

■ 42.0134, 69.6417,
13.1846

■ 44.7860, 71.0079,
16.1702

■ 48.1453, 72.6414,
20.7657

■ 52.1360, 74.5613,
27.1572

■ 56.7975, 76.7845,
35.5051

■ 62.1655, 79.3261,
45.9520

■ 68.2727, 82.2003,
58.6274

■ 75.1497, 85.4201,
73.6502

■ 82.8252, 88.9980,
91.1308

Harmonies

Analogous

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



57.8428, 68.5178, 5.1397



39.7730, 68.5178, 11.5809



30.4580, 68.5178, 36.6253

Triad

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



39.7730, 68.5178, 11.5809



49.9788, 68.5178, 282.9255



122.9762, 68.5178, 54.9543

Complementary

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



39.7730, 68.5178, 11.5809



27.6619, 12.6280, 86.5713

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.



119.3573, 68.5178, 132.5362



39.7730, 68.5178, 11.5809



72.9922, 68.5178, 299.9170

Square

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



39.7730, 68.5178, 11.5809



35.2512, 68.5178, 195.6085



99.4521, 68.5178, 233.4042



108.3740, 68.5178, 17.8727

Rectangle

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



39.7730, 68.5178, 11.5809



28.6821, 68.5178, 73.0362



99.4521, 68.5178, 233.4042



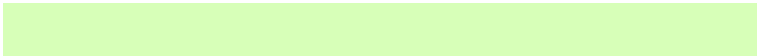
123.9168, 68.5178, 76.1945

Sweetspot

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



39.7746, 68.5207, 11.5824



72.5109, 89.4712, 58.5758



46.9160, 38.3078, 5.3743



14.9061, 18.8612, 11.2733



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.



39.7746, 68.5207, 11.5824



42.6425, 75.0681, 12.2421



32.7414, 64.8828, 11.8034



16.9828, 18.8332, 17.5376



21.1490, 37.0155, 6.0300



1.9751, 3.3133, 0.5354

Inverse Universe

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



27.6619, 12.6280, 86.5713



29.1093, 12.9213, 95.5676



52.1257, 25.4342, 78.9206



16.4602, 16.3799, 20.8367



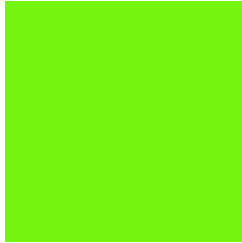
14.5012, 6.4499, 47.0187



1.3927, 0.6278, 4.1380

Previews

White Background



This preview shows how the XYZ color 39.7730, 68.5178, 11.5809 looks on a white background.

Color Contrast Check

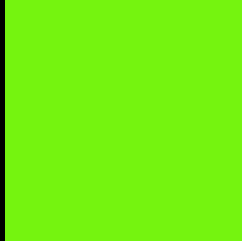
Large Text (above 18pt) WCAG AA × Fail

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 39.7730, 68.5178, 11.5809 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 39.7730, 68.5178, 11.5809

Background



This preview shows how black text looks on a background with the XYZ color 39.7730, 68.5178, 11.5809.



This preview shows how white text looks on a background with the XYZ color 39.7730, 68.5178,

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

39.7730, 68.5178, 11.5809

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

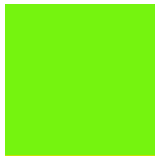
67.1421, 66.9349, 29.4596



Tritanopia

56.7130, 68.1101, 96.5437

Trichromacy



Original Color

39.7730, 68.5178, 11.5809



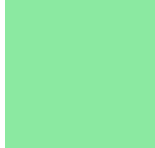
Protanomaly

50.2497, 66.2740, 10.2873



Deuteranomaly

52.4498, 64.8374, 18.5546



Tritanomaly

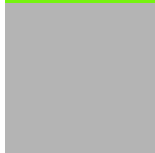
46.2194, 66.3400, 44.0871

Monochromacy



Original Color

39.7730, 68.5178, 11.5809



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.6507, 51.2360, 25.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7730, 68.5178, 11.5809 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(117, 244, 15)` looks like.

```
.text, #text, p{  
    color:rgb(117, 244, 15)  
}
```

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(117, 244, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 244, 15) }
```

Border

The CSS property to change the border of an element to XYZ 39.7730, 68.5178, 11.5809 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(117, 244, 15) }
```


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

```
.border{ border-color:rgb(117, 244, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 244, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 244, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 244, 15);  
box-shadow:4px 4px 4px 4px rgb(117, 244,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7730, 68.5178, 11.5809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 244, 15) }
```

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

```
.background{ background-color: rgb(117,  
244, 15) }
```

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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