

Converting Colors

XYZ(41.4274, 74.3617, 15.7966)

Have a look what the booklet for
XYZ(41.4274, 74.3617, 15.7966)
contains.

XYZ(41.3794, 74.3372, 15.7820)	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(41.3794, 74.3372,
15.7820)**

Conversions

Conversions Part 1

Format	Color
Hex	61FF37
RGB	97, 255, 55
RGB Percent	38%, 100%, 22%
CMY	0.6196, 0.0000, 0.7843
CMYK	0.62, 0.00, 0.78, 0.00
HSL	107°, 100%, 61%
HSV	107°, 78%, 100%
XYZ	41.3794, 74.3372, 15.7820
YIQ	184.9580, -29.9680, -95.6960

Conversions

Conversions Part 2

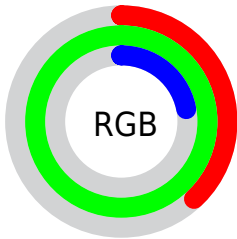
Format	Color
RYB	55, 255, 213
Decimal	6422327
CIELab	89.08, -73.99, 76.12
CIELCh	89, 106.149, 134.186
Yxy	74.3372, 0.3147, 0.5653
Android (android.graphics.Color)	4284612407 (0xFF61FF37)
YUV	184.9580, -64.0693, -77.1392
Hunter-Lab	86.2190, -65.2152, 49.5006

Details

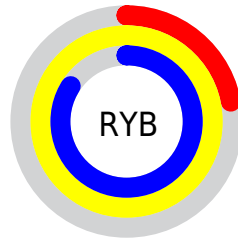
The XYZ color **41.3794, 74.3372, 15.7820** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **46.8595, 24.1006, 96.7898**, and the grayscale version is **46.4485, 48.8675, 53.2167**.

A 20% lighter version of the original color is **54.0751, 80.5909, 29.5352**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.0370, 73.1830, 13.2639**, and if you desaturate by 10%, it is **44.5827, 75.8988, 19.9886**.

Distribution



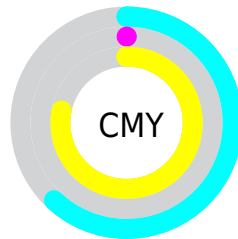
- Red (38%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (84%)



- Cyan (62%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3794, 74.3372, 15.7820 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 41.3794, 74.3372, 15.7820 by changing the saturation by 10% instead.


 41.3794, 74.3372,
15.7820


 41.3794, 74.3372,
15.7820


342.9394,
475.6363, 239.8535


 28.8046, 55.0701,
9.2173


 76.5306, 125.3737,
36.9808

 19.0766, 39.4578,
4.7845


 99.8377, 157.9119,
52.4521


 11.8300, 27.1161,
2.0648


 127.4530,
195.6425, 71.7293

 6.6994, 17.6604,
0.5947

 159.7418,
238.9499, 95.2310

 3.3195, 10.7065,
0.0000

 197.0695,
288.2187, 123.3757

 1.3249, 5.8698,
0.0000

239.8014,

 0.2017, 2.7661,

343.8331, 156.5820

0.0000

288.3029,
406.1775, 195.2685

■ 0.0000, 1.0109,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.3794, 74.3372,
15.7820

■ 41.3794, 74.3372,
15.7820

■ 39.0370, 73.1830,
13.2639

■ 44.5827, 75.8988,
19.9886

■ 37.4528, 72.3901,
12.1138

■ 48.7265, 77.9039,
26.1069

■ 37.2569, 72.2917,
11.9901

■ 53.8816, 80.3848,
34.3300

■ 60.1113, 83.3705,
44.8262

67.4737, 86.8876,
57.7469

76.0225, 90.9607,
73.2306

85.8079, 95.6132,
91.4051

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.



59.1668, 74.3372, 6.5245



41.3794, 74.3372, 15.7820



32.8270, 74.3372, 48.0319

Triad

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



41.3794, 74.3372, 15.7820



57.9644, 74.3372, 309.4852



130.5871, 74.3372, 50.8411

Complementary

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



41.3794, 74.3372, 15.7820



46.8595, 24.1006, 96.7898

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.



130.0379, 74.3372, 126.2290



41.3794, 74.3372, 15.7820



83.5422, 74.3372, 312.0494

Square

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



41.3794, 74.3372, 15.7820



40.6850, 74.3372, 226.1045



111.2423, 74.3372, 231.8190



112.5979, 74.3372, 16.7623

Rectangle

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



41.3794, 74.3372, 15.7820



31.7899, 74.3372, 91.7766



111.2423, 74.3372, 231.8190



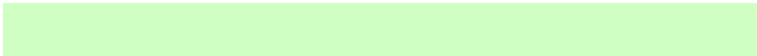
132.6801, 74.3372, 70.9929

Sweetspot

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



41.3796, 74.3373, 15.7832



71.1096, 88.6211, 64.2790



65.3905, 68.4574, 13.3827



14.5902, 18.6681, 12.6248



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.



41.3796, 74.3373, 15.7832



38.0703, 72.7008, 12.4894



40.2425, 73.4951, 27.2989



18.1279, 20.3518, 19.1172



19.5665, 37.8250, 6.2697



1.9910, 3.7272, 0.6145

Inverse Universe

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



46.8595, 24.1006, 96.7898



43.3111, 20.5025, 96.2824



52.8384, 28.0860, 56.2656



18.3973, 18.0966, 22.7733



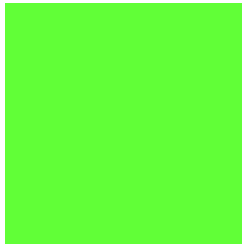
22.2114, 10.3609, 50.2638



2.2518, 1.0547, 4.8982

Previews

White Background



This preview shows how the XYZ color 41.3794, 74.3372, 15.7820 looks on a white background.

Color Contrast Check

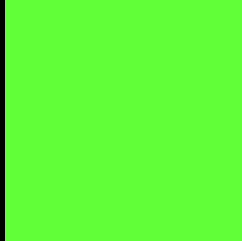
Large Text (above 18pt) WCAG AA × Fail

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 41.3794, 74.3372, 15.7820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

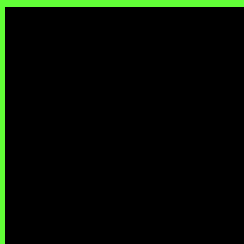
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

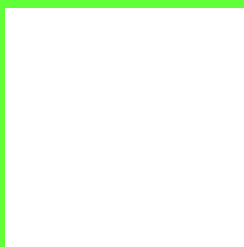
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3794, 74.3372, 15.7820

Background



This preview shows how black text looks on a background with the XYZ color 41.3794, 74.3372, 15.7820.

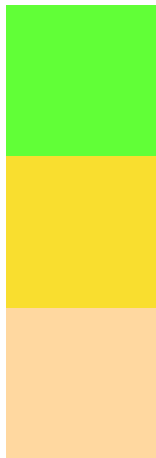


This preview shows how white text looks on a background with the XYZ color 41.3794, 74.3372,

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

41.3794, 74.3372, 15.7820

Protanopia

65.7013, 72.5875, 13.2373

Deuteranopia

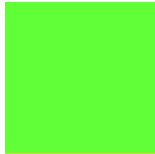
72.1410, 72.9098, 43.5285



Tritanopia

60.0112, 73.8081, 105.6912

Trichromacy



Original Color

41.3794, 74.3372, 15.7820



Protanomaly

52.2467, 70.5453, 13.8805



Deuteranomaly

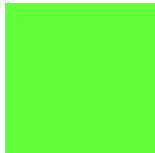
55.0984, 70.0045, 29.0206



Tritanomaly

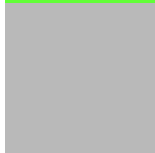
49.6963, 72.6680, 55.6630

Monochromacy



Original Color

41.3794, 74.3372, 15.7820



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.7709, 54.7005, 32.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3794, 74.3372, 15.7820 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(97, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 55)  
}
```

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(97, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 41.3794, 74.3372, 15.7820 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(97, 255, 55) }
```


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

```
.border{ border-color:rgb(97, 255, 55) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3794, 74.3372, 15.7820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 55) }
```

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

```
.background{ background-color: rgb(97, 255,  
55) }
```

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