

Converting Colors

XYZ(40.8376, 74.0686, 15.2763)

Have a look what the booklet for
XYZ(40.8376, 74.0686, 15.2763)
contains.

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Color

**XYZ(40.8717, 74.0862,
15.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	5DFF33
RGB	93, 255, 51
RGB Percent	36%, 100%, 20%
CMY	0.6353, 0.0000, 0.8000
CMYK	0.64, 0.00, 0.80, 0.00
HSL	108°, 100%, 60%
HSV	108°, 80%, 100%
XYZ	40.8717, 74.0862, 15.2779
YIQ	183.3060, -31.0680, -97.7880

Conversions

Conversions Part 2

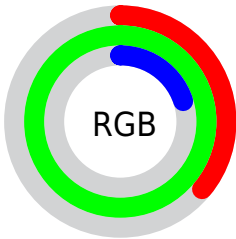
Format	Color
RYB	51, 255, 213
Decimal	6160179
CIELab	88.96, -75.03, 77.04
CIELCh	89, 107.542, 134.242
Yxy	74.0862, 0.3138, 0.5689
Android (android.graphics.Color)	4284350259 (0xFF5DFF33)
YUV	183.3060, -65.2269, -79.1984
Hunter-Lab	86.0733, -65.8681, 49.7274

Details

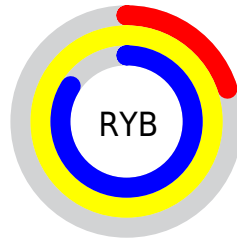
The XYZ color **40.8717, 74.0862, 15.2779** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **46.6780, 23.7363, 96.7291**, and the grayscale version is **45.5378, 47.9093, 52.1732**.

A 20% lighter version of the original color is **53.2945, 80.2085, 28.5925**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.6696, 72.9991, 13.0009**, and if you desaturate by 10%, it is **43.9246, 75.5763, 19.2034**.

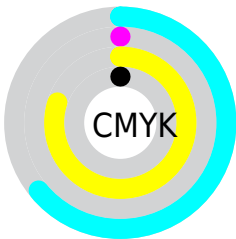
Distribution



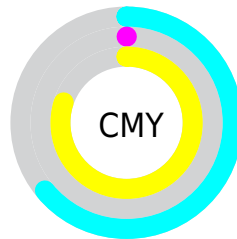
- Red (36%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (84%)



- Cyan (64%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8717, 74.0862, 15.2779 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 40.8717, 74.0862, 15.2779 by changing the saturation by 10% instead.


 40.8717, 74.0862,
15.2779


 40.8717, 74.0862,
15.2779


340.8559,
474.7708, 236.7406


 28.4061, 54.8646,
8.8659


 75.7650, 125.0180,
36.0891

 18.7740, 39.2933,
4.5582


 98.9234, 157.4970,
51.3254


 11.6101, 26.9880,
1.9363


 126.3768,
195.1639, 70.3402

 6.5491, 17.5642,
0.5157

 158.4906,
238.4031, 93.5521

 3.2255, 10.6376,
0.0000

 195.6300,
287.5990, 121.3795

 1.2741, 5.8237,
0.0000

238.1604,

 0.1637, 2.7382,

343.1360, 154.2410

0.0000

286.4473,
405.3984, 192.5552

■ 0.0000, 0.9966,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8717, 74.0862,
15.2779

■ 40.8717, 74.0862,
15.2779

■ 38.6696, 72.9991,
13.0009

■ 43.9246, 75.5763,
19.2034

■ 37.2019, 72.2633,
11.9878

■ 47.9110, 77.5070,
25.0082

■ 37.2015, 72.2631,
11.9875

■ 52.9035, 79.9114,
32.8896

■ 58.9670, 82.8193,
43.0192

■ 66.1608, 86.2579,
55.5509

■ 74.5397, 90.2525,
70.6249

■ 84.1549, 94.8265,
88.3706

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.



58.7716, 74.0862, 6.1494



40.8717, 74.0862, 15.2779



32.3023, 74.0862, 47.5757

Triad

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



40.8717, 74.0862, 15.2779



57.6410, 74.0862, 313.3185



131.1624, 74.0862, 50.2081

Complementary

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



40.8717, 74.0862, 15.2779



46.6780, 23.7363, 96.7291

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.



130.6424, 74.0862, 126.3649



40.8717, 74.0862, 15.2779



83.5066, 74.0862, 315.7587

Square

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



40.8717, 74.0862, 15.2779



40.2213, 74.0862, 228.3495



111.5818, 74.0862, 233.7772



112.8639, 74.0862, 16.1827

Rectangle

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



40.8717, 74.0862, 15.2779



31.2727, 74.0862, 91.7787



111.5818, 74.0862, 233.7772



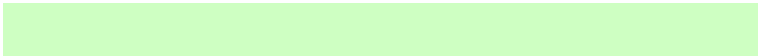
133.3020, 74.0862, 70.4909

Sweetspot

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



40.8719, 74.0862, 15.2790



71.0392, 88.5848, 64.2757



65.0829, 67.9894, 12.8262



14.5737, 18.6596, 12.6240



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.



40.8719, 74.0862, 15.2790



37.7152, 72.5215, 12.3032



39.8757, 73.3240, 26.4649



18.1208, 20.3482, 19.1169



19.5360, 37.8093, 6.2683



1.9871, 3.7252, 0.6143

Inverse Universe

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



46.6780, 23.7363, 96.7291



43.2303, 20.3653, 96.2601



52.5256, 27.6691, 55.5175



18.4050, 18.1005, 22.7737



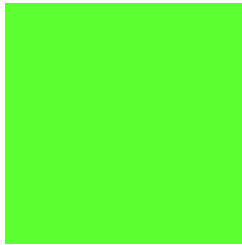
22.3586, 10.4368, 50.2707



2.2649, 1.0615, 4.8988

Previews

White Background



This preview shows how the XYZ color 40.8717, 74.0862, 15.2779 looks on a white background.

Color Contrast Check

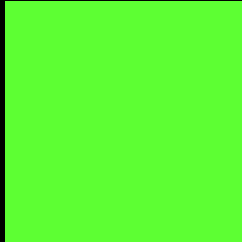
Large Text (above 18pt) WCAG AA × Fail

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 40.8717, 74.0862, 15.2779 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 40.8717, 74.0862, 15.2779

Background



This preview shows how black text looks on a background with the XYZ color 40.8717, 74.0862, 15.2779.



This preview shows how white text looks on a background with the XYZ color 40.8717, 74.0862,

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

40.8717, 74.0862, 15.2779

Protanopia

65.6061, 72.5495, 12.7361

Deuteranopia

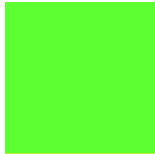
71.7120, 72.3295, 42.5291



Tritanopia

59.4895, 73.5392, 105.6668

Trichromacy



Original Color

40.8717, 74.0862, 15.2779



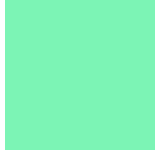
Protanomaly

51.6347, 70.2416, 13.3192



Deuteranomaly

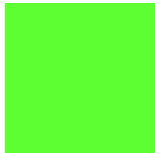
54.3915, 69.6613, 28.0320



Tritanomaly

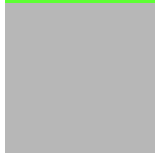
49.0034, 72.3226, 55.0930

Monochromacy



Original Color

40.8717, 74.0862, 15.2779



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

39.7513, 53.8342, 31.2176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8717, 74.0862, 15.2779 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(93, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 51)  
}
```

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(93, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 40.8717, 74.0862, 15.2779 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(93, 255, 51) }
```


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

```
.border{ border-color:rgb(93, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(93, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8717, 74.0862, 15.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 51) }
```

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

```
.background{ background-color: rgb(93, 255,  
51) }
```

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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