

Converting Colors

XYZ(40.3280, 73.0195, 15.2958)

Have a look what the booklet for
XYZ(40.3280, 73.0195, 15.2958)
contains.

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Color

**XYZ(40.1815, 72.7829,
15.2989)**

Conversions

Conversions Part 1

Format	Color
Hex	5CFD35
RGB	92, 253, 53
RGB Percent	36%, 99%, 21%
CMY	0.6392, 0.0078, 0.7921
CMYK	0.64, 0.00, 0.79, 0.01
HSL	108°, 98%, 60%
HSV	108°, 79%, 99%
XYZ	40.1815, 72.7829, 15.2989
YIQ	182.0610, -31.7560, -96.3320

Conversions

Conversions Part 2

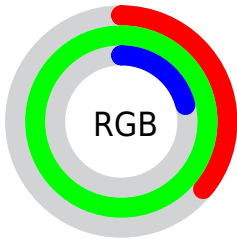
Format	Color
RYB	53, 253, 214
Decimal	6094133
CIELab	88.34, -74.50, 75.93
CIElCh	88, 106.373, 134.455
Yxy	72.7829, 0.3133, 0.5674
Android (android.graphics.Color)	4284284213 (0xFF5CFD35)
YUV	182.0610, -63.6271, -78.9835
Hunter-Lab	85.3129, -65.2259, 49.0867

Details

The XYZ color **40.1815, 72.7829, 15.2989** 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 **46.7396, 23.9375, 95.0894**, and the grayscale version is **44.8469, 47.1825, 51.3817**.

A 20% lighter version of the original color is **53.1526, 80.1287, 28.8846**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **37.9780, 71.6996, 12.9182**, and if you desaturate by 10%, it is **43.2420, 74.2770, 19.3239**.

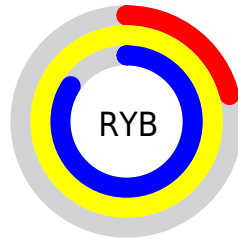
Distribution



Red (36%)

Green (99%)

Blue (21%)



Red (21%)

Yellow (99%)

Blue (84%)

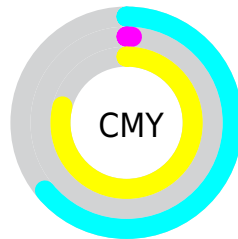


Cyan (64%)

Magenta (0%)

Yellow (79%)

Black (1%)



Cyan (64%)


Magenta (1%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1815, 72.7829, 15.2989 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 40.1815, 72.7829, 15.2989 by changing the saturation by 10% instead.


 40.1815, 72.7829,
15.2989


 40.1815, 72.7829,
15.2989


338.0093,
470.2620, 236.8711

 27.8649, 53.7985,
8.8805


 74.7224, 123.1690,
36.1264

 18.3638, 38.4406,
4.5676


 97.6774, 155.3394,
51.3725


 11.3128, 26.3248,
1.9416


 124.9093,
192.6739, 70.3983

 6.3464, 17.0668,
0.5190

 156.7835,
235.5569, 93.6223

 3.0995, 10.2821,
0.0000

 193.6652,
284.3729, 121.4631

 1.2066, 5.5864,
0.0000

235.9198,

 0.1116, 2.5953,

339.5061, 154.3391

0.0000

283.9127,
401.3410, 192.6689

0.0000, 0.9243,
0.0000

0.0000, 0.0000,
0.0000

40.1815, 72.7829,
15.2989

40.1815, 72.7829,
15.2989

37.9780, 71.6996,
12.9182

43.2420, 74.2770,
19.3239


36.5185, 70.9695,
11.8429


47.2369, 76.2102,
25.2136


36.4091, 70.9146,
11.7689

52.2398, 78.6185,
33.1594

58.3152, 81.5318,
43.3279

 65.5223, 84.9771,
55.8685

 73.9158, 88.9797,
70.9179

 83.5465, 93.5631,
88.6021

94.3960, 98.7228,
108.6880

94.4168, 98.7335,
108.6889

Harmonies

Analogous

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



57.6344, 72.7829, 6.1890



40.1815, 72.7829, 15.2989



31.8461, 72.7829, 47.2305

Triad

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



40.1815, 72.7829, 15.2989



56.8402, 72.7829, 306.4764



128.4245, 72.7829, 49.0819

Complementary

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



40.1815, 72.7829, 15.2989



46.7396, 23.9375, 95.0894

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.



128.0601, 72.7829, 123.2044



40.1815, 72.7829, 15.2989



82.1683, 72.7829, 308.1834

Square

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



40.1815, 72.7829, 15.2989



39.7240, 72.7829, 224.0953



109.5627, 72.7829, 227.8946



110.4614, 72.7829, 15.9387

Rectangle

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



40.1815, 72.7829, 15.2989



30.8742, 72.7829, 90.6778



109.5627, 72.7829, 227.8946



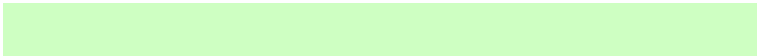
130.5593, 72.7829, 68.8218

Sweetspot

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



40.1832, 72.7860, 15.3005



70.8542, 88.4895, 64.2670



64.9482, 68.7320, 13.2128



14.5303, 18.6373, 12.6220



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.



40.1832, 72.7860, 15.3005



37.6932, 72.5084, 12.3813



39.5765, 72.2031, 27.4759



18.1021, 20.3385, 19.1160



19.4586, 37.7694, 6.2646



1.9770, 3.7199, 0.6138

Inverse Universe

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



46.7396, 23.9375, 95.0894



44.1391, 20.8783, 96.3113



51.4096, 27.2811, 53.0119



18.4252, 18.1110, 22.7746



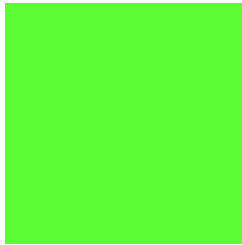
22.7512, 10.6392, 50.2890



2.2998, 1.0795, 4.9004

Previews

White Background



This preview shows how the XYZ color 40.1815, 72.7829, 15.2989 looks on a white background.

Color Contrast Check

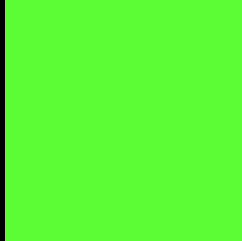
Large Text (above 18pt) WCAG AA × Fail

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 40.1815, 72.7829, 15.2989 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

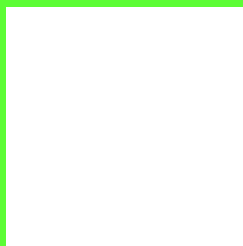
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1815, 72.7829, 15.2989

Background



This preview shows how black text looks on a background with the XYZ color 40.1815, 72.7829, 15.2989.

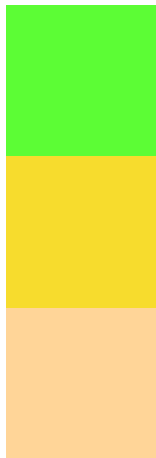


This preview shows how white text looks on a background with the XYZ color 40.1815, 72.7829,

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

40.1815, 72.7829, 15.2989

Protanopia

64.4246, 71.1500, 12.8204

Deuteranopia

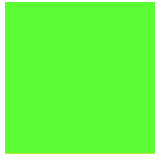
70.7017, 71.1155, 39.7060



Tritanopia

58.0371, 72.3618, 105.5161

Trichromacy



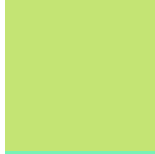
Original Color

40.1815, 72.7829, 15.2989



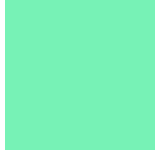
Protanomaly

50.8760, 69.0030, 13.4338



Deuteranomaly

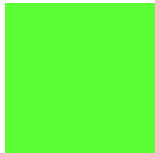
53.6607, 68.4835, 26.9134



Tritanomaly

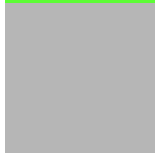
47.8034, 70.8036, 55.4029

Monochromacy



Original Color

40.1815, 72.7829, 15.2989



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.3235, 53.2506, 31.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1815, 72.7829, 15.2989 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(92, 253, 53)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 253, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 253, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.1815, 72.7829, 15.2989 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(92, 253, 53) }
```


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

```
.border{ border-color:rgb(92, 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(92, 253, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 253, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 253, 53);  
box-shadow:4px 4px 4px 4px rgb(92, 253,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1815, 72.7829, 15.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 253, 53) }
```

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

```
.background{ background-color: rgb(92, 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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