

Converting Colors

XYZ(40.3663, 73.8256, 15.2542)

Have a look what the booklet for
XYZ(40.3663, 73.8256, 15.2542)
contains.

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Color

**XYZ(40.3820, 73.8337,
15.2550)**

Conversions

Conversions Part 1

Format	Color
Hex	58FF33
RGB	88, 255, 51
RGB Percent	35%, 100%, 20%
CMY	0.6549, 0.0000, 0.8000
CMYK	0.65, 0.00, 0.80, 0.00
HSL	109°, 100%, 60%
HSV	109°, 80%, 100%
XYZ	40.3820, 73.8337, 15.2550
YIQ	181.8110, -34.0480, -98.8480

Conversions

Conversions Part 2

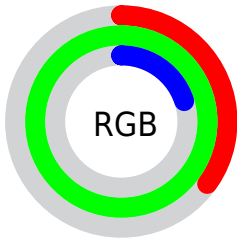
Format	Color
RYB	51, 255, 218
Decimal	5832499
CIELab	88.84, -76.03, 76.89
CIELCh	89, 108.132, 134.678
Yxy	73.8337, 0.3119, 0.5703
Android (android.graphics.Color)	4284022579 (0xFF58FF33)
YUV	181.8110, -64.4898, -82.2722
Hunter-Lab	85.9265, -66.4837, 49.6225

Details

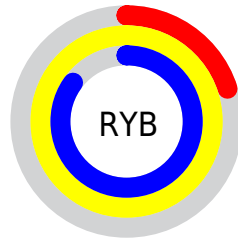
The XYZ color **40.3820, 73.8337, 15.2550** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **48.1510, 24.4957, 96.7980**, and the grayscale version is **44.7142, 47.0428, 51.2296**.

A 20% lighter version of the original color is **52.7019, 79.9030, 28.5647**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.2642, 72.7901, 12.9820**, and if you desaturate by 10%, it is **43.3737, 75.2923, 19.1777**.

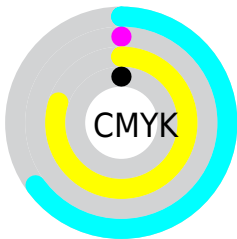
Distribution



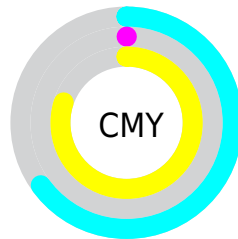
- Red (35%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3820, 73.8337, 15.2550 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 40.3820, 73.8337, 15.2550 by changing the saturation by 10% instead.


 40.3820, 73.8337,
15.2550


 40.3820, 73.8337,
15.2550


338.8379,
473.8992, 236.5982


 28.0220, 54.6579,
8.8499


 75.0255, 124.6600,
36.0485

 18.4828, 39.1279,
4.5480


 98.0398, 157.0794,
51.2741


 11.3990, 26.8593,
1.9305


 125.3362,
194.6821, 70.2768

 6.4051, 17.4675,
0.5120

 157.2801,
237.8525, 93.4754

 3.1359, 10.5684,
0.0000

 194.2369,
286.9750, 121.2883

 1.2260, 5.7774,
0.0000

236.5719,

 0.1268, 2.7102,

342.4341, 154.1340

0.0000

284.6504,
404.6140, 192.4311

■ 0.0000, 0.9824,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3820, 73.8337,
15.2550

■ 40.3820, 73.8337,
15.2550

■ 38.2642, 72.7901,
12.9820

■ 43.3737, 75.2923,
19.1777

■ 36.8979, 72.1066,
11.9735

■ 47.3267, 77.2057,
24.9809

■ 36.8975, 72.1064,
11.9732

■ 52.3176, 79.6094,
32.8622

■ 58.4152, 82.5349,
42.9935

■ 65.6818, 86.0110,
55.5286

■ 74.1753, 90.0646,
70.6080

■ 83.9494, 94.7205,
88.3612

■ 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.



58.1708, 73.8337, 6.0129



40.3820, 73.8337, 15.2550



31.9419, 73.8337, 47.9782

Triad

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



40.3820, 73.8337, 15.2550



57.6893, 73.8337, 315.2460



131.0574, 73.8337, 49.0976

Complementary

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



40.3820, 73.8337, 15.2550



48.1510, 24.4957, 96.7980

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.



130.8352, 73.8337, 124.8586



40.3820, 73.8337, 15.2550



83.7304, 73.8337, 316.2913

Square

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



40.3820, 73.8337, 15.2550



40.1055, 73.8337, 230.4778



111.8894, 73.8337, 232.8008



112.4369, 73.8337, 15.6370

Rectangle

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



40.3820, 73.8337, 15.2550



30.9912, 73.8337, 92.7413



111.8894, 73.8337, 232.8008



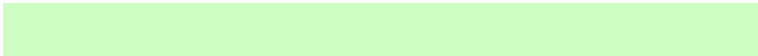
133.3088, 73.8337, 69.1914

Sweetspot

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



40.3822, 73.8338, 15.2561



70.6237, 88.3706, 64.2562



66.8061, 71.4357, 13.4006



14.4763, 18.6094, 12.6194



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.



40.3822, 73.8338, 15.2561



37.3690, 72.3430, 12.2870



40.2553, 73.4759, 28.4640



18.0787, 20.3265, 19.1149



19.3677, 37.7225, 6.2604



1.9649, 3.7137, 0.6133

Inverse Universe

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



48.1510, 24.4957, 96.7980



44.9133, 21.2329, 96.3389



51.7627, 27.3639, 51.5002



18.4506, 18.1240, 22.7758



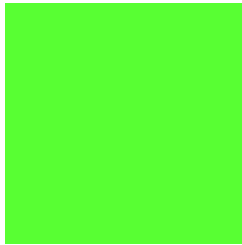
23.2526, 10.8976, 50.3125



2.3443, 1.1025, 4.9025

Previews

White Background



This preview shows how the XYZ color 40.3820, 73.8337, 15.2550 looks on a white background.

Color Contrast Check

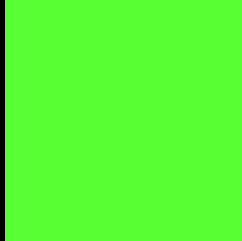
Large Text (above 18pt) WCAG AA × Fail

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 40.3820, 73.8337, 15.2550 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 40.3820, 73.8337, 15.2550

Background



This preview shows how black text looks on a background with the XYZ color 40.3820, 73.8337, 15.2550.

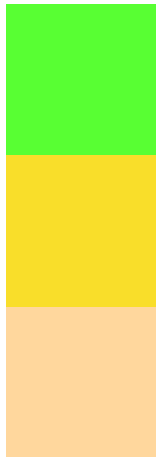


This preview shows how white text looks on a background with the XYZ color 40.3820, 73.8337,

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

40.3820, 73.8337, 15.2550

Protanopia

65.6061, 72.5495, 12.7361

Deuteranopia

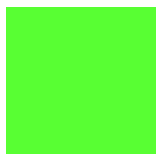
71.6262, 72.2952, 42.0775



Tritanopia

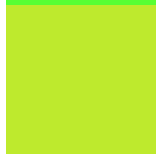
59.1494, 73.3638, 105.6509

Trichromacy



Original Color

40.3820, 73.8337, 15.2550



Protanomaly

51.1317, 69.9822, 13.2956



Deuteranomaly

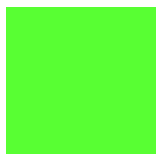
53.8150, 69.3710, 27.6931



Tritanomaly

48.5763, 72.1025, 55.0730

Monochromacy



Original Color

40.3820, 73.8337, 15.2550



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.3163, 53.6181, 30.8314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3820, 73.8337, 15.2550 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(88, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 40.3820, 73.8337, 15.2550 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(88, 255, 51) }
```


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

```
.border{ border-color:rgb(88, 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(88, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3820, 73.8337, 15.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 51) }
```

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

```
.background{ background-color: rgb(88, 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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