

Converting Colors

Yxy(58.2143, 0.3335, 0.5734)

Have a look what the booklet for
Yxy(58.2143, 0.3335, 0.5734)
contains.

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Color

Yxy(58.2532, 0.3336, 0.5733)

Conversions

Conversions Part 1

Format	Color
Hex	6EE300
RGB	110, 227, 0
RGB Percent	43%, 89%, 0%
CMY	0.5687, 0.1098, 0.9995
CMYK	0.52, 0.00, 1.00, 0.11
HSL	91°, 100%, 45%
HSV	91°, 100%, 89%
XYZ	33.8972, 58.2532, 9.4599
YIQ	166.1390, 3.1350, -95.4010

Conversions

Conversions Part 2

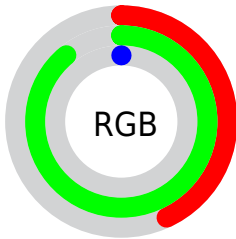
Format	Color
RYB	0, 227, 117
Decimal	7267072
CIELab	80.88, -63.01, 78.45
CIELCh	81, 100.621, 128.768
Yxy	58.2532, 0.3336, 0.5733
Android (android.graphics.Color)	4285457152 (0xFF6EE300)
YUV	166.1390, -81.9065, -49.2339
Hunter-Lab	76.3238, -54.2905, 46.0780

Details

The Yxy color **58.2532, 0.3336, 0.5733** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.3416, 0.2042, 0.0899**, and the grayscale version is **38.6115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9788, 0.3465, 0.5150**, and **29.1428, 0.3083, 0.5934** is the 20% darker color. If you saturate the color by 10%, you get **58.2516, 0.3336, 0.5733**, and if you desaturate by 10%, it is **59.1177, 0.3389, 0.5627**.

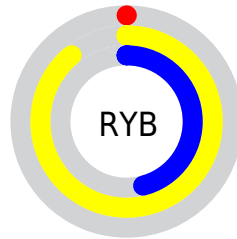
Distribution



Red (43%)

Green (89%)

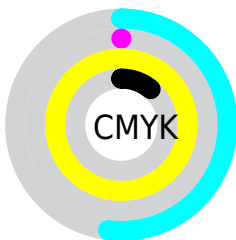
Blue (0%)



Red (0%)

Yellow (89%)

Blue (46%)

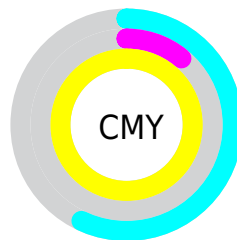


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (57%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2532, 0.3336, 0.5733 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 Yxy color 58.2532, 0.3336, 0.5733 by changing the saturation by 10% instead.


 58.2532, 0.3336,
0.5733

 58.2532, 0.3336,
0.5733


 418.1288, 0.3360,
0.4513


 42.0122, 0.3286,
0.6008


 102.2915, 0.3378,
0.5306

 29.1109, 0.3198,
0.6334


 130.8576, 0.3384,
0.5140

 19.1647, 0.3049,
0.6723


 164.3009, 0.3385,
0.4997

 11.7894, 0.2805,
0.7195

 203.0057, 0.3382,
0.4873

 6.6004, 0.2365,
0.7635

 247.3566, 0.3378,
0.4766

 3.2135, 0.1702,
0.8298

 297.7377, 0.3372,

 1.2442, 0.0000,

0.4671

1.0000

354.5337, 0.3366,
0.4587

■ 0.0974, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2532, 0.3336,
0.5733

■ 58.2532, 0.3336,
0.5733

■ 58.2516, 0.3336,
0.5733

■ 59.1177, 0.3389,
0.5627

■ 60.1542, 0.3426,
0.5468

■ 61.3912, 0.3442,
0.5254

■ 62.8452, 0.3436,
0.4996

■ 64.5306, 0.3410,
0.4708

■ 66.4599, 0.3369,
0.4406

■ 68.6448, 0.3316,
0.4105

■ 71.0961, 0.3256,
0.3814

■ 73.8237, 0.3192,
0.3541

Harmonies

Analogous

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



58.2532, 0.4421, 0.5204



58.2532, 0.3336, 0.5733



58.2532, 0.2257, 0.5093

Triad

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



58.2532, 0.3336, 0.5733



58.2532, 0.1232, 0.1704



58.2532, 0.4984, 0.2763

Complementary

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



58.2532, 0.3336, 0.5733



9.3416, 0.2042, 0.0899

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.



58.2532, 0.3703, 0.2121



58.2532, 0.3336, 0.5733



58.2532, 0.1634, 0.1543

Square

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



58.2532, 0.3336, 0.5733



58.2532, 0.1169, 0.2297



58.2532, 0.2453, 0.1693



58.2532, 0.5578, 0.3501

Rectangle

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



58.2532, 0.3336, 0.5733



58.2532, 0.1688, 0.4060



58.2532, 0.2453, 0.1693



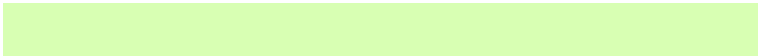
58.2532, 0.4600, 0.2533

Sweetspot

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



58.2557, 0.3336, 0.5733



89.2833, 0.3317, 0.4112



28.2685, 0.5426, 0.4074



18.8438, 0.3341, 0.4239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.2557, 0.3336, 0.5733



75.7652, 0.3331, 0.5737



54.9433, 0.3000, 0.6000



16.4298, 0.3189, 0.3528



34.0388, 0.3346, 0.5725



2.5704, 0.3458, 0.5636

Inverse Universe

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



9.3416, 0.2042, 0.0899



12.0883, 0.2035, 0.0895



21.8811, 0.3209, 0.1542



14.2509, 0.3061, 0.3053



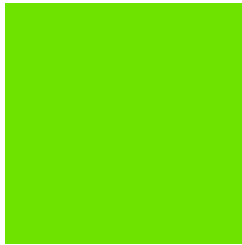
5.5137, 0.2057, 0.0907



0.4627, 0.2213, 0.0993

Previews

White Background



This preview shows how the Yxy color 58.2532, 0.3336, 0.5733 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 Yxy color 58.2532, 0.3336, 0.5733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

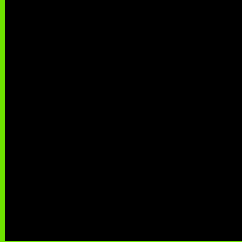
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

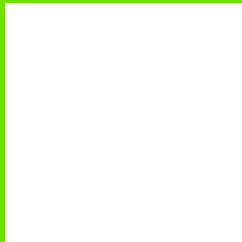
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2532, 0.3336, 0.5733

Background



This preview shows how black text looks on a background with the Yxy color 58.2532, 0.3336, 0.5733.



This preview shows how white text looks on a background with the Yxy color 58.2532, 0.3336, 0.5733.

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

58.2532, 0.3336, 0.5733

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

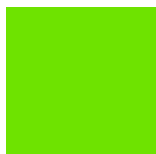
57.1097, 0.4634, 0.4524



Tritanopia

57.8527, 0.2566, 0.3075

Trichromacy



Original Color

58.2532, 0.3336, 0.5733



Protanomaly

56.1605, 0.3967, 0.5232



Deuteranomaly

55.0850, 0.4130, 0.5009



Tritanomaly

56.4159, 0.2983, 0.4301

Monochromacy



Original Color

58.2532, 0.3336, 0.5733



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.1180, 0.3386, 0.4501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2532, 0.3336, 0.5733 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(110, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 227, 0)  
}
```

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(110, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.2532, 0.3336, 0.5733 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(110, 227, 0) }
```

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

```
.border{ border-color:rgb(110, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(110, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 227,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2532, 0.3336, 0.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 227, 0) }
```

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

```
.background{ background-color: rgb(110,  
227, 0) }
```

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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