

Converting Colors

$Y_{xy}(58.9011, 0.3418, 0.5595)$

Have a look what the booklet for
Yxy(58.9011, 0.3418, 0.5595)
contains.

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Color

Yxy(58.8985, 0.3418, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	7EE219
RGB	126, 226, 25
RGB Percent	49%, 89%, 10%
CMY	0.5057, 0.1137, 0.9020
CMYK	0.44, 0.00, 0.89, 0.11
HSL	90°, 80%, 49%
HSV	90°, 89%, 89%
XYZ	35.9812, 58.8985, 10.3901
YIQ	173.1860, 4.9210, -83.7110

Conversions

Conversions Part 2

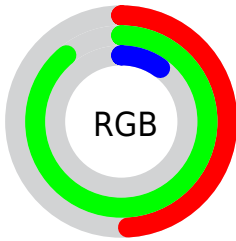
Format	Color
RYB	25, 226, 125
Decimal	8315417
CIELab	81.24, -57.42, 76.25
CIELCh	81, 95.455, 126.980
Yxy	58.8985, 0.3418, 0.5595
Android (android.graphics.Color)	4286505497 (0xFF7EE219)
YUV	173.1860, -73.0557, -41.3821
Hunter-Lab	76.7454, -50.6165, 45.6948

Details

The Yxy color **58.8985, 0.3418, 0.5595** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.5404, 0.2128, 0.0996**, and the grayscale version is **42.2739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7853, 0.3528, 0.5029**, and **29.7736, 0.3207, 0.5836** is the 20% darker color. If you saturate the color by 10%, you get **58.0289, 0.3367, 0.5703**, and if you desaturate by 10%, it is **59.9442, 0.3451, 0.5433**.

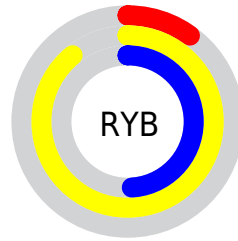
Distribution



Red (49%)

Green (89%)

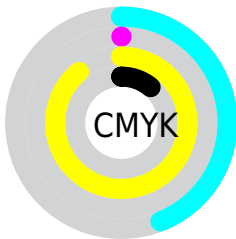
Blue (10%)



Red (10%)

Yellow (89%)

Blue (49%)

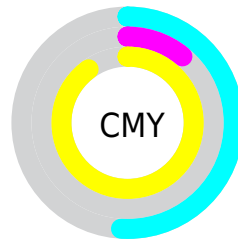


Cyan (44%)

Magenta (0%)

Yellow (89%)

Black (11%)



Cyan (51%)


Magenta (11%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8985, 0.3418, 0.5595 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 58.8985, 0.3418, 0.5595 by changing the saturation by 10% instead.


 58.8985, 0.3418,
0.5595

 58.8985, 0.3418,
0.5595

 420.5257, 0.3390,
0.4451

 42.5314, 0.3384,
0.5853


 103.2301, 0.3439,
0.5195


 29.5176, 0.3317,
0.6159


 131.9635, 0.3437,
0.5039

 19.4727, 0.3196,
0.6521


 165.5877, 0.3432,
0.4905

 12.0124, 0.3004,
0.6996

 204.4872, 0.3425,
0.4789

 6.7521, 0.2602,
0.7398

 249.0463, 0.3417,
0.4688

 3.3076, 0.2011,
0.7989

 299.6495, 0.3408,

 1.2943, 0.0000,

0.4599

1.0000

356.6812, 0.3399,
0.4521

■ 0.1368, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8985, 0.3418,
0.5595

■ 58.8985, 0.3418,
0.5595

■ 58.0289, 0.3367,
0.5703

■ 59.9442, 0.3451,
0.5433

■ 57.9439, 0.3361,
0.5713

■ 61.1809, 0.3463,
0.5216

■ 62.6270, 0.3452,
0.4957

■ 64.2959, 0.3422,
0.4670

■ 66.1998, 0.3376,
0.4371

■ 68.3497, 0.3319,
0.4072

■ 70.7559, 0.3255,
0.3784

■ 73.4280, 0.3188,
0.3514

■ 76.3751, 0.3120,
0.3265

Harmonies

Analogous

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



58.8985, 0.4450, 0.5094



58.8985, 0.3418, 0.5595



58.8985, 0.2369, 0.5049

Triad

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



58.8985, 0.3418, 0.5595



58.8985, 0.1289, 0.1794



58.8985, 0.4826, 0.2755

Complementary

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



58.8985, 0.3418, 0.5595



10.5404, 0.2128, 0.0996

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.



58.8985, 0.3600, 0.2140



58.8985, 0.3418, 0.5595



58.8985, 0.1662, 0.1611

Square

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



58.8985, 0.3418, 0.5595



58.8985, 0.1252, 0.2407



58.8985, 0.2430, 0.1739



58.8985, 0.5451, 0.3474

Rectangle

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



58.8985, 0.3418, 0.5595



58.8985, 0.1802, 0.4112



58.8985, 0.2430, 0.1739



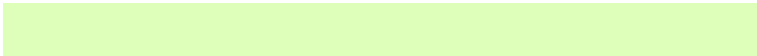
58.8985, 0.4453, 0.2533

Sweetspot

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



58.9010, 0.3418, 0.5595



90.4070, 0.3308, 0.4021



30.1923, 0.5246, 0.4112



19.1305, 0.3329, 0.4122



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.



58.9010, 0.3418, 0.5595



76.1254, 0.3356, 0.5717



54.7133, 0.3009, 0.5910



15.6741, 0.3191, 0.3527



33.1285, 0.3372, 0.5704



2.3495, 0.3489, 0.5612

Inverse Universe

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



10.5404, 0.2128, 0.0996



11.7160, 0.1999, 0.0875



21.8175, 0.3170, 0.1558



13.5763, 0.3058, 0.3053



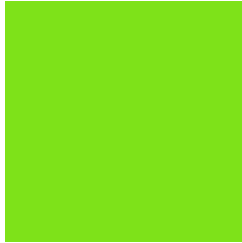
5.1823, 0.2021, 0.0887



0.4124, 0.2189, 0.0980

Previews

White Background



This preview shows how the Yxy color 58.8985, 0.3418, 0.5595 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 58.8985, 0.3418, 0.5595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

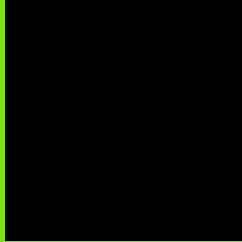
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8985, 0.3418, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 58.8985, 0.3418, 0.5595.



This preview shows how white text looks on a background with the Yxy color 58.8985, 0.3418, 0.5595.

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

58.8985, 0.3418, 0.5595

Protanopia

57.9765, 0.4391, 0.4864

Deuteranopia

57.7614, 0.4619, 0.4510



Tritanopia

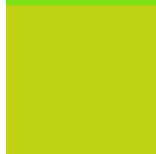
58.4115, 0.2637, 0.3078

Trichromacy



Original Color

58.8985, 0.3418, 0.5595



Protanomaly

57.0874, 0.4008, 0.5153



Deuteranomaly

56.0009, 0.4152, 0.4924



Tritanomaly

57.2845, 0.3014, 0.4138

Monochromacy



Original Color

58.8985, 0.3418, 0.5595



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.0991, 0.3372, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8985, 0.3418, 0.5595 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(126, 226, 25)` looks like.

```
.text, #text, p{  
    color:rgb(126, 226, 25)  
}
```

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(126, 226, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 226, 25) }
```

Border

The CSS property to change the border of an element to Yxy 58.8985, 0.3418, 0.5595 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(126, 226, 25) }
```

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

```
.border{ border-color:rgb(126, 226, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 226, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 226, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 226, 25);  
box-shadow:4px 4px 4px 4px rgb(126, 226,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8985, 0.3418, 0.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 226, 25) }
```

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

```
.background{ background-color: rgb(126,  
226, 25) }
```

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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