

Converting Colors

Yxy(59.3132, 0.3273, 0.5707)

Have a look what the booklet for
Yxy(59.3132, 0.3273, 0.5707)
contains.

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Color

Yxy(59.0519, 0.3276, 0.5706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 68E519 |
| RGB | 104, 229, 25 |
| RGB Percent | 41%, 90%, 10% |
| CMY | 0.5922, 0.1019, 0.9016 |
| CMYK | 0.55, 0.00, 0.89, 0.10 |
| HSL | 97°, 80%, 50% |
| HSV | 97°, 89%, 90% |
| XYZ | 33.9036, 59.0519, 10.5354 |
| YIQ | 168.3690, -9.0160, -89.9440 |

Conversions

Conversions Part 2

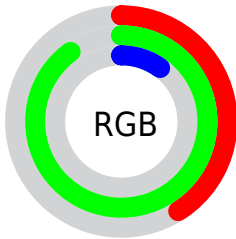
| Format | Color |
|-------------------------------------|--|
| RYB | 25, 229, 150 |
| Decimal | 6874393 |
| CIELab | 81.32, -64.88, 75.98 |
| CIELCh | 81, 99.910, 130.497 |
| Yxy | 59.0519, 0.3276, 0.5706 |
| Android (android.graphics.Color) | 4285064473 (0xFF68E519) |
| YUV | 168.3690, -70.6809, -56.4516 |
| Hunter-Lab | 76.8452, -55.7261, 45.6631 |

Details

The Yxy color **59.0519, 0.3276, 0.5706** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **12.8510, 0.2353, 0.1116**, and the grayscale version is **39.7122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4532, 0.3399, 0.5107**, and **29.6872, 0.3038, 0.5970** is the 20% darker color. If you saturate the color by 10%, you get **58.2173, 0.3222, 0.5818**, and if you desaturate by 10%, it is **60.1084, 0.3317, 0.5533**.

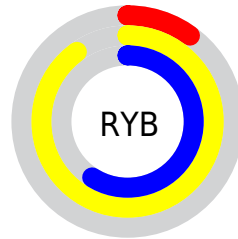
Distribution



Red (41%)

Green (90%)

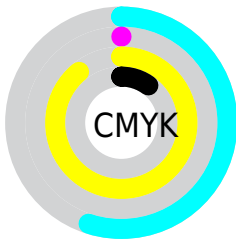
Blue (10%)



Red (10%)

Yellow (90%)

Blue (59%)

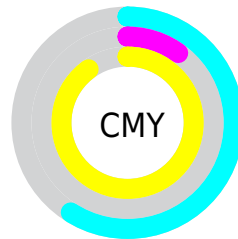


Cyan (55%)

Magenta (0%)

Yellow (89%)

Black (10%)



Cyan (59%)


Magenta (10%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0519, 0.3276, 0.5706 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 59.0519, 0.3276, 0.5706 by changing the saturation by 10% instead.

 59.0519, 0.3276,
0.5706


 59.0519, 0.3276,
0.5706


421.0942, 0.3321,
0.4492

 42.6549, 0.3224,
0.5984

 103.4531, 0.3323,
0.5278


 29.6144, 0.3136,
0.6317


 132.2261, 0.3331,
0.5112

 19.5461, 0.2986,
0.6713


 165.8932, 0.3335,
0.4970

 12.0656, 0.2759,
0.7241

 204.8388, 0.3335,
0.4848

 6.7883, 0.2316,
0.7684

 249.4473, 0.3333,
0.4741

 3.3301, 0.1653,
0.8347

 300.1031, 0.3329,

 1.3064, 0.0000,

0.4648

1.0000

357.1906, 0.3325,
0.4565

■ 0.1461, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.0519, 0.3276,
0.5706

■ 59.0519, 0.3276,
0.5706

■ 58.2173, 0.3222,
0.5818

■ 60.1084, 0.3317,
0.5533

■ 58.1457, 0.3217,
0.5827


■ 61.4061, 0.3339,
0.5301

■ 62.9669, 0.3343,
0.5023


■ 64.8076, 0.3329,
0.4717

 66.9434, 0.3302,
0.4401

 69.3882, 0.3264,
0.4090

 72.1551, 0.3220,
0.3793

 75.2562, 0.3172,
0.3518

 78.7029, 0.3122,
0.3267

Harmonies

Analogous

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



59.0519, 0.4357, 0.5237



59.0519, 0.3276, 0.5706



59.0519, 0.2213, 0.4992

Triad

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



59.0519, 0.3276, 0.5706



59.0519, 0.1260, 0.1699



59.0519, 0.5022, 0.2810

Complementary

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



59.0519, 0.3276, 0.5706



12.8510, 0.2353, 0.1116

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.



59.0519, 0.3777, 0.2164



59.0519, 0.3276, 0.5706



59.0519, 0.1682, 0.1558

Square

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



59.0519, 0.3276, 0.5706



59.0519, 0.1179, 0.2260



59.0519, 0.2522, 0.1724



59.0519, 0.5559, 0.3550

Rectangle

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



59.0519, 0.3276, 0.5706



59.0519, 0.1664, 0.3959



59.0519, 0.2522, 0.1724



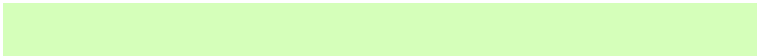
59.0519, 0.4654, 0.2580

Sweetspot

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



59.0544, 0.3276, 0.5706



89.1862, 0.3256, 0.4033



37.7341, 0.4961, 0.4354



18.8447, 0.3271, 0.4137



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.



59.0544, 0.3276, 0.5706



74.1538, 0.3213, 0.5831



56.4424, 0.2972, 0.5804



16.3596, 0.3174, 0.3529



33.3077, 0.3228, 0.5819



2.5136, 0.3343, 0.5728

Inverse Universe

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



12.8510, 0.2353, 0.1116



14.3215, 0.2244, 0.1010



21.9424, 0.3446, 0.1714



14.3223, 0.3076, 0.3054



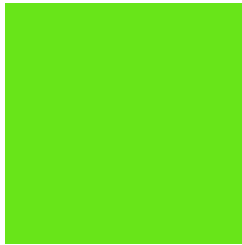
6.5133, 0.2263, 0.1020



0.5345, 0.2400, 0.1096

Previews

White Background



This preview shows how the Yxy color 59.0519, 0.3276, 0.5706 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 59.0519, 0.3276, 0.5706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

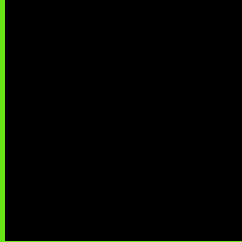
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

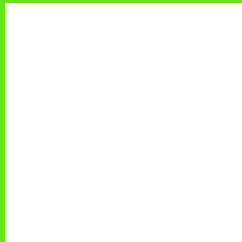
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.0519, 0.3276, 0.5706

Background



This preview shows how black text looks on a background with the Yxy color 59.0519, 0.3276, 0.5706.



This preview shows how white text looks on a background with the Yxy color 59.0519, 0.3276, 0.5706.

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

59.0519, 0.3276, 0.5706

Protanopia

57.9711, 0.4393, 0.4867

Deuteranopia

57.7794, 0.4611, 0.4501



Tritanopia

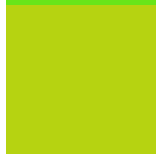
58.6200, 0.2538, 0.3075

Trichromacy



Original Color

59.0519, 0.3276, 0.5706



Protanomaly

56.5741, 0.3936, 0.5216



Deuteranomaly

55.3659, 0.4073, 0.4976



Tritanomaly

57.3896, 0.2896, 0.4186

Monochromacy



Original Color

59.0519, 0.3276, 0.5706



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.1076, 0.3303, 0.4383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0519, 0.3276, 0.5706 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(104, 229, 25)` looks like.

```
.text, #text, p{  
    color:rgb(104, 229, 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(104, 229, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 229, 25) }
```

Border

The CSS property to change the border of an element to Yxy 59.0519, 0.3276, 0.5706 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(104, 229, 25) }
```

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

```
.border{ border-color:rgb(104, 229, 25) }
```

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

Here you see how a box with a 4 pixel rgb(104, 229, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 229, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 229, 25);  
box-shadow:4px 4px 4px 4px rgb(104, 229,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0519, 0.3276, 0.5706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 229, 25) }
```

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

```
.background{ background-color: rgb(104,  
229, 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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