

Converting Colors

$Y_{xy}(60.3439, 0.3246, 0.5772)$

Have a look what the booklet for
Yxy(60.3439, 0.3246, 0.5772)
contains.

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Color

Yxy(60.3416, 0.3248, 0.5770)

Conversions

Conversions Part 1

Format	Color
Hex	62E80E
RGB	98, 232, 14
RGB Percent	38%, 91%, 5%
CMY	0.6160, 0.0902, 0.9453
CMYK	0.58, 0.00, 0.94, 0.09
HSL	97°, 89%, 48%
HSV	97°, 94%, 91%
XYZ	33.9670, 60.3416, 10.2696
YIQ	167.0820, -9.8860, -96.2060

Conversions

Conversions Part 2

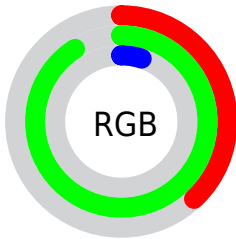
Format	Color
R_{YB}	14, 232, 148
Decimal	6481934
CIE _{Lab}	82.02, -67.69, 77.97
CIE _{LCh}	82, 103.254, 130.966
Yxy	60.3416, 0.3248, 0.5770
Android (android.graphics.Color)	4284672014 (0xFF62E80E)
YUV	167.0820, -75.4694, -60.5849
Hunter-Lab	77.6799, -57.8872, 46.5375

Details

The Yxy color **60.3416, 0.3248, 0.5770** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **12.4382, 0.2308, 0.1066**, and the grayscale version is **39.0544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9741, 0.3385, 0.5148**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.8612, 0.3215, 0.5829**, and if you desaturate by 10%, it is **61.3119, 0.3296, 0.5629**.

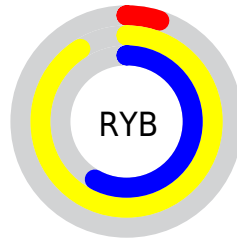
Distribution



Red (38%)

Green (91%)

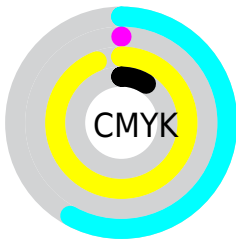
Blue (5%)



Red (5%)

Yellow (91%)

Blue (58%)

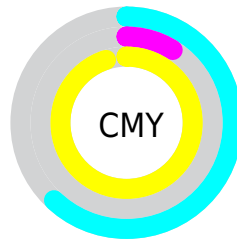


Cyan (58%)

Magenta (0%)

Yellow (94%)

Black (9%)



Cyan (62%)


Magenta (9%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3416, 0.3248, 0.5770 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 60.3416, 0.3248, 0.5770 by changing the saturation by 10% instead.

 60.3416, 0.3248,
0.5770


 60.3416, 0.3248,
0.5770


 425.8558, 0.3313,
0.4528

 43.6940, 0.3190,
0.6052


 105.3250, 0.3303,
0.5334


 30.4300, 0.3094,
0.6389


 134.4297, 0.3315,
0.5164


 20.1652, 0.2936,
0.6788


 168.4555, 0.3320,
0.5019

 12.5152, 0.2694,
0.7306

 207.7869, 0.3322,
0.4893

 7.0956, 0.2246,
0.7754

 252.8082, 0.3322,
0.4784

 3.5219, 0.1588,
0.8412

 303.9039, 0.3319,

 1.4099, 0.0000,

0.4688

1.0000

361.4582, 0.3316,
0.4603

■ 0.2240, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3416, 0.3248,
0.5770

■ 60.3416, 0.3248,
0.5770

■ 59.8612, 0.3215,
0.5829

■ 61.3119, 0.3296,
0.5629

■ 62.5206, 0.3328,
0.5425

■ 63.9918, 0.3342,
0.5167

■ 65.7441, 0.3337,
0.4873

67.7940, 0.3316,
0.4559

70.1566, 0.3283,
0.4244

72.8459, 0.3242,
0.3938

75.8747, 0.3196,
0.3651

79.2554, 0.3147,
0.3388

Harmonies

Analogous

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



60.3416, 0.4351, 0.5280



60.3416, 0.3248, 0.5770



60.3416, 0.2171, 0.5022

Triad

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



60.3416, 0.3248, 0.5770



60.3416, 0.1232, 0.1662



60.3416, 0.5084, 0.2806

Complementary

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



60.3416, 0.3248, 0.5770



12.4382, 0.2308, 0.1066

Split Complementary

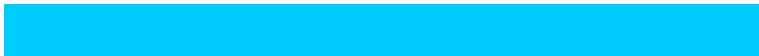
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.3416, 0.3812, 0.2150



60.3416, 0.3248, 0.5770



60.3416, 0.1664, 0.1527

Square

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



60.3416, 0.3248, 0.5770



60.3416, 0.1144, 0.2219



60.3416, 0.2524, 0.1700



60.3416, 0.5613, 0.3553

Rectangle

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



60.3416, 0.3248, 0.5770



60.3416, 0.1619, 0.3948



60.3416, 0.2524, 0.1700



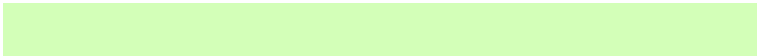
60.3416, 0.4712, 0.2573

Sweetspot

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



60.3442, 0.3248, 0.5770



88.8273, 0.3260, 0.4063



37.3749, 0.5043, 0.4338



18.7085, 0.3277, 0.4197



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.



60.3442, 0.3248, 0.5770



74.1283, 0.3211, 0.5832



57.9386, 0.2978, 0.5877



16.3583, 0.3174, 0.3529



33.2961, 0.3226, 0.5820



2.5126, 0.3341, 0.5729

Inverse Universe

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



12.4382, 0.2308, 0.1066



14.3672, 0.2248, 0.1012



22.1338, 0.3463, 0.1700



14.3236, 0.3077, 0.3054



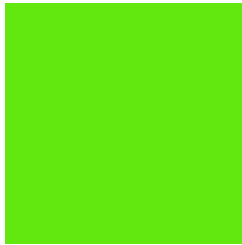
6.5337, 0.2267, 0.1022



0.5359, 0.2403, 0.1098

Previews

White Background



This preview shows how the Yxy color 60.3416, 0.3248, 0.5770 looks on a white background.

Color Contrast Check

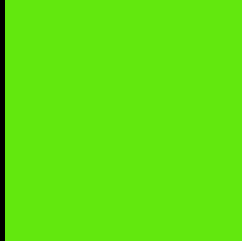
Large Text (above 18pt) WCAG AA × Fail

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 60.3416, 0.3248, 0.5770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

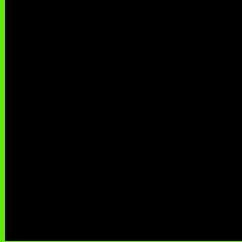
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

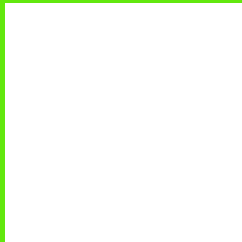
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.3416, 0.3248, 0.5770

Background



This preview shows how black text looks on a background with the Yxy color 60.3416, 0.3248, 0.5770.



This preview shows how white text looks on a background with the Yxy color 60.3416, 0.3248, 0.5770.

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

60.3416, 0.3248, 0.5770

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

59.0004, 0.4620, 0.4520



Tritanopia

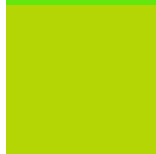
60.0633, 0.2514, 0.3076

Trichromacy



Original Color

60.3416, 0.3248, 0.5770



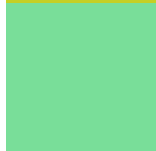
Protanomaly

57.9278, 0.3917, 0.5261



Deuteranomaly

56.6295, 0.4057, 0.5030



Tritanomaly

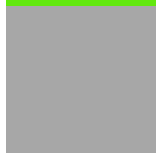
58.6074, 0.2887, 0.4256

Monochromacy



Original Color

60.3416, 0.3248, 0.5770



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.1601, 0.3310, 0.4476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3416, 0.3248, 0.5770 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(98, 232, 14)` looks like.

```
.text, #text, p{  
    color:rgb(98, 232, 14)  
}
```

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(98, 232, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 232, 14) }
```

Border

The CSS property to change the border of an element to Yxy 60.3416, 0.3248, 0.5770 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(98, 232, 14) }
```

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

```
.border{ border-color:rgb(98, 232, 14) }
```

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

Here you see how a box with a 4 pixel rgb(98, 232, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 232, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 232, 14);  
box-shadow:4px 4px 4px 4px rgb(98, 232,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3416, 0.3248, 0.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 232, 14) }
```

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

```
.background{ background-color: rgb(98, 232,  
14) }
```

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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