

Converting Colors

$Y_{xy}(61.3410, 0.3116, 0.5403)$

Have a look what the booklet for
Yxy(61.3410, 0.3116, 0.5403)
contains.

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Color

Yxy(61.3410, 0.3116, 0.5403)

Conversions

Conversions Part 1

Format	Color
Hex	61E94C
RGB	97, 233, 76
RGB Percent	38%, 91%, 30%
CMY	0.6195, 0.0863, 0.7019
CMYK	0.58, 0.00, 0.67, 0.09
HSL	112°, 78%, 61%
HSV	112°, 67%, 91%
XYZ	35.3764, 61.3410, 16.8140
YIQ	174.4380, -30.6590, -77.6590

Conversions

Conversions Part 2

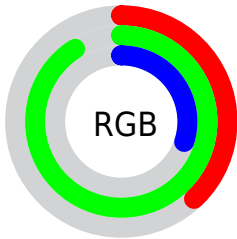
Format	Color
RYB	76, 233, 212
Decimal	6416716
CIELab	82.56, -65.17, 62.63
CIELCh	83, 90.391, 136.138
Yxy	61.3410, 0.3116, 0.5403
Android (android.graphics.Color)	4284606796 (0xFF61E94C)
YUV	174.4380, -48.5299, -67.9131
Hunter-Lab	78.3205, -56.4347, 42.0959

Details

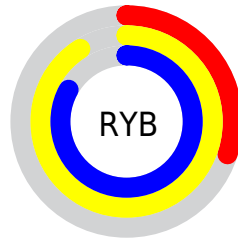
The Yxy color **61.3410, 0.3116, 0.5403** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.0466, 0.2981, 0.1680**, and the grayscale version is **42.8381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6595, 0.3209, 0.4756**, and **31.0572, 0.2997, 0.5989** is the 20% darker color. If you saturate the color by 10%, you get **60.1044, 0.3093, 0.5663**, and if you desaturate by 10%, it is **62.9819, 0.3133, 0.5089**.

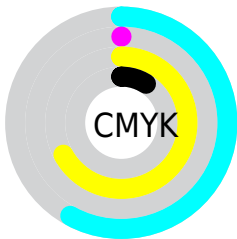
Distribution



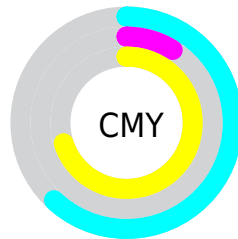
- Red (38%)
- Green (91%)
- Blue (30%)



- Red (30%)
- Yellow (91%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (67%)
- Black (9%)





- Cyan (62%)
- Magenta (9%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3410, 0.3116, 0.5403 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 61.3410, 0.3116, 0.5403 by changing the saturation by 10% instead.


 61.3410, 0.3116,
0.5403


 61.3410, 0.3116,
0.5403

429.5232, 0.3198,
0.4324

 44.5004, 0.3070,
0.5664

 106.7725, 0.3165,
0.5014


 31.0641, 0.2998,
0.5989


 136.1323, 0.3178,
0.4866

 20.6477, 0.2879,
0.6397


 170.4338, 0.3186,
0.4741

 12.8667, 0.2682,
0.6914

 210.0617, 0.3191,
0.4633

 7.3368, 0.2369,
0.7631

 255.4001, 0.3195,
0.4540

 3.6736, 0.1757,
0.8243

306.8336, 0.3197,

 1.4927, 0.0000,

0.4459

1.0000

364.7465, 0.3198,
0.4388

■ 0.2836, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.3410, 0.3116,
0.5403

■ 61.3410, 0.3116,
0.5403

■ 60.1044, 0.3093,
0.5663

■ 62.9819, 0.3133,
0.5089

■ 59.2294, 0.3065,
0.5850


■ 65.0504, 0.3143,
0.4748

■ 58.6757, 0.3037,
0.5956

■ 67.5769, 0.3148,
0.4400


■ 58.5727, 0.3031,
0.5975

■ 70.5867, 0.3147,
0.4066

 74.1035, 0.3142,
0.3756

 78.1492, 0.3134,
0.3476

 82.7446, 0.3125,
0.3228

 86.7581, 0.3137,
0.3078

Harmonies

Analogous

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



61.3410, 0.4125, 0.5211



61.3410, 0.3116, 0.5403



61.3410, 0.2160, 0.4549

Triad

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



61.3410, 0.3116, 0.5403



61.3410, 0.1448, 0.1783



61.3410, 0.4980, 0.2999

Complementary

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



61.3410, 0.3116, 0.5403



25.0466, 0.2981, 0.1680

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.



61.3410, 0.3947, 0.2364



61.3410, 0.3116, 0.5403



61.3410, 0.1919, 0.1699

Square

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



61.3410, 0.3116, 0.5403



61.3410, 0.1317, 0.2236



61.3410, 0.2778, 0.1905



61.3410, 0.5336, 0.3716

Rectangle

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



61.3410, 0.3116, 0.5403



61.3410, 0.1693, 0.3635



61.3410, 0.2778, 0.1905



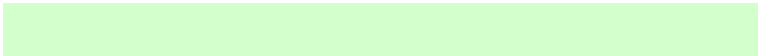
61.3410, 0.4690, 0.2775

Sweetspot

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



61.3436, 0.3116, 0.5403



89.7036, 0.3143, 0.3838



63.6688, 0.4203, 0.4628



18.9361, 0.3145, 0.3925



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.



61.3436, 0.3116, 0.5403



73.2784, 0.3082, 0.5748



61.4526, 0.2806, 0.4761



16.9588, 0.3136, 0.3532



33.2654, 0.3036, 0.5971



2.6429, 0.3107, 0.5915

Inverse Universe

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



25.0466, 0.2981, 0.1680



25.7562, 0.2933, 0.1484



25.7106, 0.3856, 0.2241



15.2055, 0.3117, 0.3056



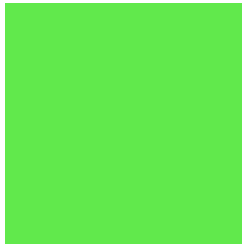
10.4862, 0.2874, 0.1357



0.8518, 0.2923, 0.1384

Previews

White Background



This preview shows how the Yxy color 61.3410, 0.3116, 0.5403 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 61.3410, 0.3116, 0.5403 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 61.3410, 0.3116, 0.5403

Background



This preview shows how black text looks on a background with the Yxy color 61.3410, 0.3116, 0.5403.

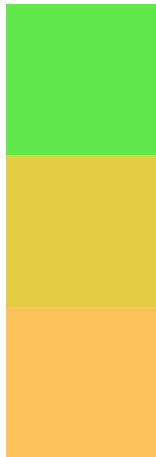


This preview shows how white text looks on a background with the Yxy color 61.3410, 0.3116, 0.5403.

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

61.3410, 0.3116, 0.5403

Protanopia

60.0971, 0.4238, 0.4662

Deuteranopia

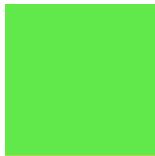
60.1875, 0.4412, 0.4311



Tritanopia

60.9663, 0.2494, 0.3077

Trichromacy



Original Color

61.3410, 0.3116, 0.5403



Protanomaly

58.7591, 0.3751, 0.4980



Deuteranomaly

57.4876, 0.3864, 0.4735



Tritanomaly

59.8716, 0.2745, 0.3920

Monochromacy



Original Color

61.3410, 0.3116, 0.5403



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.9762, 0.3150, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3410, 0.3116, 0.5403 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(97, 233, 76)` looks like.

```
.text, #text, p{  
    color:rgb(97, 233, 76)  
}
```

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(97, 233, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 233, 76) }
```

Border

The CSS property to change the border of an element to Yxy 61.3410, 0.3116, 0.5403 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(97, 233, 76) }
```

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

```
.border{ border-color:rgb(97, 233, 76) }
```

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

Here you see how a box with a 4 pixel rgb(97, 233, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 233, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 233, 76);  
box-shadow:4px 4px 4px 4px rgb(97, 233,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3410, 0.3116, 0.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 233, 76) }
```

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

```
.background{ background-color: rgb(97, 233,  
76) }
```

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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