

Converting Colors

Yxy(61.0724, 0.3141, 0.5449)

Have a look what the booklet for
Yxy(61.0724, 0.3141, 0.5449)
contains.

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Color

Yxy(61.3167, 0.3140, 0.5457)

Conversions

Conversions Part 1

Format	Color
Hex	62E946
RGB	98, 233, 70
RGB Percent	38%, 91%, 27%
CMY	0.6156, 0.0863, 0.7256
CMYK	0.58, 0.00, 0.70, 0.09
HSL	110°, 79%, 59%
HSV	110°, 70%, 91%
XYZ	35.2821, 61.3167, 15.7646
YIQ	174.0530, -28.1370, -79.3130

Conversions

Conversions Part 2

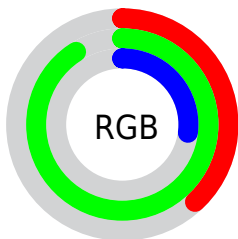
Format	Color
RYB	70, 233, 205
Decimal	6482246
CIELab	82.55, -65.44, 64.89
CIELCh	83, 92.157, 135.239
Yxy	61.3167, 0.3140, 0.5457
Android (android.graphics.Color)	4284672326 (0xFF62E946)
YUV	174.0530, -51.2981, -66.6985
Hunter-Lab	78.3050, -56.6065, 42.8771

Details

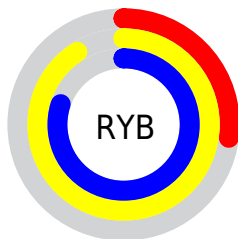
The Yxy color **61.3167, 0.3140, 0.5457** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **23.2332, 0.2908, 0.1606**, and the grayscale version is **42.6379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6034, 0.3242, 0.4819**, and **31.0700, 0.3004, 0.5997** is the 20% darker color. If you saturate the color by 10%, you get **60.1329, 0.3113, 0.5699**, and if you desaturate by 10%, it is **62.8783, 0.3159, 0.5158**.

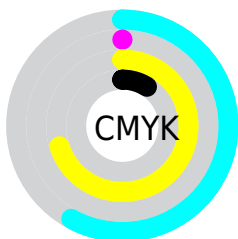
Distribution



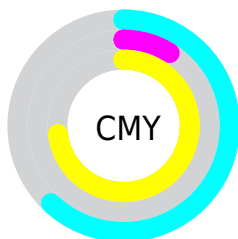
- Red (38%)
- Green (91%)
- Blue (27%)



- Red (27%)
- Yellow (91%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (70%)
- Black (9%)





- Cyan (62%)
- Magenta (9%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3167, 0.3140, 0.5457 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 61.3167, 0.3140, 0.5457 by changing the saturation by 10% instead.


 61.3167, 0.3140,
0.5457


 61.3167, 0.3140,
0.5457


429.4343, 0.3216,
0.4353


 44.4808, 0.3094,
0.5722


 106.7374, 0.3188,
0.5060


 31.0487, 0.3019,
0.6050


 136.0909, 0.3200,
0.4909

 20.6359, 0.2897,
0.6458


 170.3858, 0.3208,
0.4781

 12.8581, 0.2697,
0.6982

 210.0064, 0.3213,
0.4671

 7.3309, 0.2358,
0.7642

 255.3372, 0.3215,
0.4575

 3.6699, 0.1744,
0.8256

306.7625, 0.3217,

 1.4907, 0.0000,

0.4492

1.0000

364.6667, 0.3217,
0.4418

■ 0.2822, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.3167, 0.3140,
0.5457

■ 61.3167, 0.3140,
0.5457

■ 60.1329, 0.3113,
0.5699

■ 62.8783, 0.3159,
0.5158

■ 59.2862, 0.3081,
0.5867

■ 64.8389, 0.3168,
0.4825

■ 58.7339, 0.3047,
0.5962


■ 67.2268, 0.3170,
0.4481


■ 58.7325, 0.3047,
0.5962


■ 70.0659, 0.3165,
0.4146

 73.3778, 0.3155,
0.3832

 77.1832, 0.3142,
0.3545

 81.5013, 0.3127,
0.3289

 86.2613, 0.3120,
0.3077

 86.7597, 0.3137,
0.3078

Harmonies

Analogous

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



61.3167, 0.4162, 0.5222



61.3167, 0.3140, 0.5457



61.3167, 0.2165, 0.4617

Triad

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



61.3167, 0.3140, 0.5457



61.3167, 0.1416, 0.1767



61.3167, 0.4992, 0.2970

Complementary

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



61.3167, 0.3140, 0.5457



23.2332, 0.2908, 0.1606

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.



61.3167, 0.3924, 0.2332



61.3167, 0.3140, 0.5457



61.3167, 0.1880, 0.1675

Square

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



61.3167, 0.3140, 0.5457



61.3167, 0.1293, 0.2236



61.3167, 0.2739, 0.1875



61.3167, 0.5374, 0.3691

Rectangle

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



61.3167, 0.3140, 0.5457



61.3167, 0.1686, 0.3681



61.3167, 0.2739, 0.1875



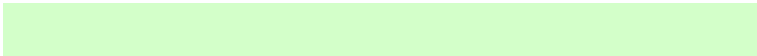
61.3167, 0.4690, 0.2744

Sweetspot

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



61.3193, 0.3140, 0.5457



89.5573, 0.3157, 0.3866



60.5319, 0.4277, 0.4616



18.9188, 0.3160, 0.3952



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.



61.3193, 0.3140, 0.5457



73.2837, 0.3099, 0.5784



60.9760, 0.2827, 0.4904



16.9867, 0.3141, 0.3532



33.3617, 0.3054, 0.5957



2.6561, 0.3136, 0.5892

Inverse Universe

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



23.2332, 0.2908, 0.1606



23.7207, 0.2842, 0.1410



25.0527, 0.3819, 0.2166



15.1751, 0.3110, 0.3056



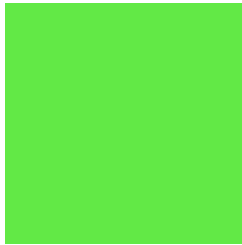
9.8131, 0.2778, 0.1304



0.8051, 0.2841, 0.1339

Previews

White Background



This preview shows how the Yxy color 61.3167, 0.3140, 0.5457 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 61.3167, 0.3140, 0.5457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

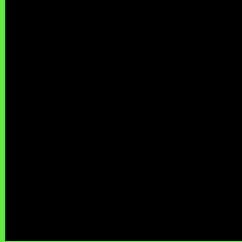
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

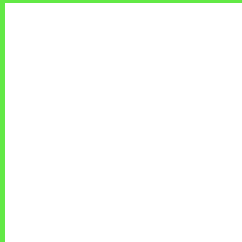
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.3167, 0.3140, 0.5457

Background



This preview shows how black text looks on a background with the Yxy color 61.3167, 0.3140, 0.5457.

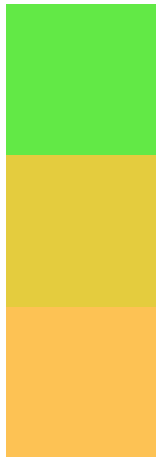


This preview shows how white text looks on a background with the Yxy color 61.3167, 0.3140, 0.5457.

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

61.3167, 0.3140, 0.5457

Protanopia

60.0275, 0.4263, 0.4699

Deuteranopia

60.1063, 0.4441, 0.4347



Tritanopia

61.0465, 0.2499, 0.3077

Trichromacy



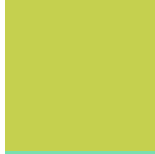
Original Color

61.3167, 0.3140, 0.5457



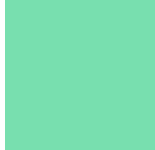
Protanomaly

58.8063, 0.3783, 0.5020



Deuteranomaly

57.5466, 0.3898, 0.4773



Tritanomaly

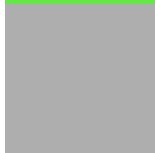
59.8636, 0.2761, 0.3948

Monochromacy



Original Color

61.3167, 0.3140, 0.5457



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.9188, 0.3164, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3167, 0.3140, 0.5457 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, 233, 70)` looks like.

```
.text, #text, p{  
    color:rgb(98, 233, 70)  
}
```

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, 233, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 233, 70) }
```

Border

The CSS property to change the border of an element to Yxy 61.3167, 0.3140, 0.5457 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, 233, 70) }
```

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

```
.border{ border-color:rgb(98, 233, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 233, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 233, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 233, 70);  
box-shadow:4px 4px 4px 4px rgb(98, 233,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3167, 0.3140, 0.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 233, 70) }
```

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

```
.background{ background-color: rgb(98, 233,  
70) }
```

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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