

Converting Colors

$Y_{xy}(59.4273, 0.2977, 0.5451)$

Have a look what the booklet for
Yxy(59.4273, 0.2977, 0.5451)
contains.

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Color

Yxy(59.4016, 0.2977, 0.5450)

Conversions

Conversions Part 1

Format	Color
Hex	41E84F
RGB	65, 232, 79
RGB Percent	25%, 91%, 31%
CMY	0.7450, 0.0902, 0.6903
CMYK	0.72, 0.00, 0.66, 0.09
HSL	125°, 78%, 58%
HSV	125°, 72%, 91%
XYZ	32.4474, 59.4016, 17.1447
YIQ	164.6250, -50.4190, -82.9870

Conversions

Conversions Part 2

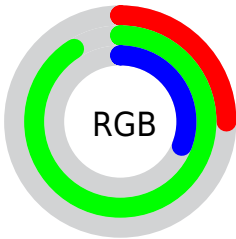
Format	Color
RYB	65, 219, 232
Decimal	4319311
CIELab	81.51, -70.86, 60.12
CIELCh	82, 92.931, 139.686
Yxy	59.4016, 0.2977, 0.5450
Android (android.graphics.Color)	4282509391 (0xFF41E84F)
YUV	164.6250, -42.2131, -87.3711
Hunter-Lab	77.0724, -59.7284, 40.7617

Details

The Yxy color **59.4016, 0.2977, 0.5450** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **26.0040, 0.3352, 0.1822**, and the grayscale version is **37.6633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3921, 0.3062, 0.4795**, and **30.6890, 0.2986, 0.5949** is the 20% darker color. If you saturate the color by 10%, you get **58.5065, 0.2975, 0.5696**, and if you desaturate by 10%, it is **60.7255, 0.2986, 0.5150**.

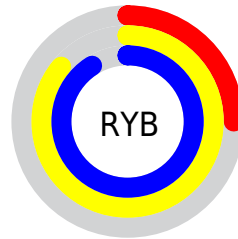
Distribution



Red (25%)

Green (91%)

Blue (31%)



Red (25%)

Yellow (86%)

Blue (91%)

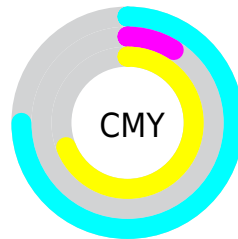


Cyan (72%)

Magenta (0%)

Yellow (66%)

Black (9%)



Cyan (75%)


Magenta (9%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4016, 0.2977, 0.5450 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 59.4016, 0.2977, 0.5450 by changing the saturation by 10% instead.


 59.4016, 0.2977,
0.5450

 59.4016, 0.2977,
0.5450


422.3886, 0.3126,
0.4331

 42.9365, 0.2916,
0.5727


 103.9611, 0.3049,
0.5042


 29.8353, 0.2824,
0.6075


 132.8243, 0.3071,
0.4888


 19.7136, 0.2682,
0.6517


 166.5890, 0.3087,
0.4759

 12.1870, 0.2452,
0.7083

 205.6396, 0.3099,
0.4648

 6.8712, 0.2100,
0.7900

 250.3604, 0.3108,
0.4552

 3.3817, 0.1363,
0.8637

301.1359, 0.3116,

 1.3341, 0.0000,

0.4469

1.0000

358.3505, 0.3121,
0.4396

■ 0.1674, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4016, 0.2977,
0.5450

■ 59.4016, 0.2977,
0.5450

■ 58.5065, 0.2975,
0.5696

■ 60.7255, 0.2986,
0.5150

■ 57.9804, 0.2981,
0.5870

■ 62.5148, 0.3002,
0.4819


■ 57.7640, 0.2988,
0.5955


■ 64.8106, 0.3023,
0.4481


■ 67.6472, 0.3047,
0.4154

 71.0562, 0.3073,
0.3850

 75.0666, 0.3098,
0.3576

 79.7054, 0.3122,
0.3334

 84.9980, 0.3145,
0.3123

 86.1957, 0.3138,
0.3068

Harmonies

Analogous

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



59.4016, 0.4022, 0.5337



59.4016, 0.2977, 0.5450



59.4016, 0.2022, 0.4441

Triad

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



59.4016, 0.2977, 0.5450



59.4016, 0.1440, 0.1710



59.4016, 0.5137, 0.3065

Complementary

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



59.4016, 0.2977, 0.5450



26.0040, 0.3352, 0.1822

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.



59.4016, 0.4123, 0.2403



59.4016, 0.2977, 0.5450



59.4016, 0.1963, 0.1665

Square

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



59.4016, 0.2977, 0.5450



59.4016, 0.1266, 0.2116



59.4016, 0.2894, 0.1908



59.4016, 0.5397, 0.3802

Rectangle

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



59.4016, 0.2977, 0.5450



59.4016, 0.1581, 0.3477



59.4016, 0.2894, 0.1908



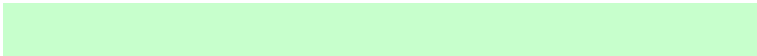
59.4016, 0.4865, 0.2833

Sweetspot

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



59.4041, 0.2977, 0.5450



87.9882, 0.3072, 0.3854



73.0167, 0.3976, 0.4941



18.5717, 0.3065, 0.3935



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.



59.4041, 0.2977, 0.5450



72.1562, 0.2977, 0.5784



61.4639, 0.2623, 0.4288



16.1086, 0.3104, 0.3512



32.0744, 0.2984, 0.5943



2.3770, 0.2943, 0.5795

Inverse Universe

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



26.0040, 0.3352, 0.1822



28.5996, 0.3397, 0.1701



22.6769, 0.4529, 0.2599



14.5934, 0.3151, 0.3077



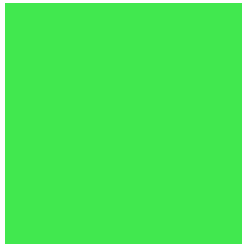
12.1898, 0.3430, 0.1663



0.9070, 0.3394, 0.1644

Previews

White Background



This preview shows how the Yxy color 59.4016, 0.2977, 0.5450 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 59.4016, 0.2977, 0.5450 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

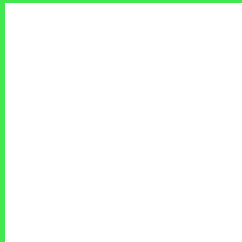
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4016, 0.2977, 0.5450

Background



This preview shows how black text looks on a background with the Yxy color 59.4016, 0.2977, 0.5450.



This preview shows how white text looks on a background with the Yxy color 59.4016, 0.2977, 0.5450.

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

59.4016, 0.2977, 0.5450

Protanopia

58.0628, 0.4218, 0.4644

Deuteranopia

57.9908, 0.4376, 0.4281



Tritanopia

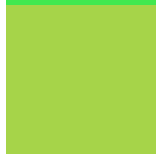
59.0034, 0.2403, 0.3059

Trichromacy



Original Color

59.4016, 0.2977, 0.5450



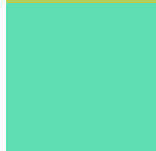
Protanomaly

55.6750, 0.3644, 0.5013



Deuteranomaly

54.6545, 0.3732, 0.4760



Tritanomaly

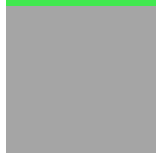
57.8366, 0.2622, 0.3912

Monochromacy



Original Color

59.4016, 0.2977, 0.5450



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.7835, 0.3049, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4016, 0.2977, 0.5450 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(65, 232, 79)` looks like.

```
.text, #text, p{  
    color:rgb(65, 232, 79)  
}
```

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(65, 232, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 232, 79) }
```

Border

The CSS property to change the border of an element to Yxy 59.4016, 0.2977, 0.5450 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(65, 232, 79) }
```

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

```
.border{ border-color:rgb(65, 232, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 232, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 232, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 232, 79);  
box-shadow:4px 4px 4px 4px rgb(65, 232,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4016, 0.2977, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 232, 79) }
```

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

```
.background{ background-color: rgb(65, 232,  
79) }
```

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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