

Converting Colors

$Y_{xy}(65.1201, 0.3046, 0.5610)$

Have a look what the booklet for
Yxy(65.1201, 0.3046, 0.5610)
contains.

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Color

Yxy(65.2909, 0.3046, 0.5614)

Conversions

Conversions Part 1

Format	Color
Hex	49F240
RGB	73, 242, 64
RGB Percent	29%, 95%, 25%
CMY	0.7137, 0.0510, 0.7490
CMYK	0.70, 0.00, 0.74, 0.05
HSL	117°, 87%, 60%
HSV	117°, 74%, 95%
XYZ	35.4250, 65.2909, 15.5842
YIQ	171.1770, -43.5860, -91.1860

Conversions

Conversions Part 2

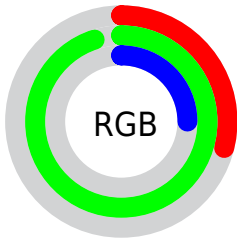
Format	Color
RYB	64, 242, 233
Decimal	4846144
CIELab	84.63, -73.94, 68.89
CIELCh	85, 101.056, 137.025
Yxy	65.2909, 0.3046, 0.5614
Android (android.graphics.Color)	4283036224 (0xFF49F240)
YUV	171.1770, -52.8383, -86.1012
Hunter-Lab	80.8028, -63.1481, 45.1268

Details

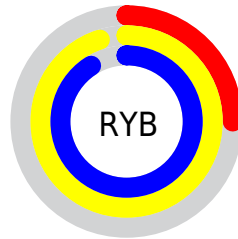
The Yxy color **65.2909, 0.3046, 0.5614** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **27.4010, 0.3111, 0.1656**, and the grayscale version is **41.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7648, 0.3156, 0.4913**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.3375, 0.3029, 0.5826**, and if you desaturate by 10%, it is **66.7004, 0.3063, 0.5329**.

Distribution



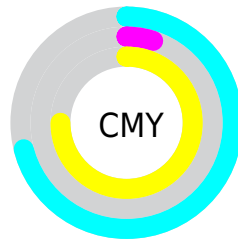
- Red (29%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (74%)
- Black (5%)





- Cyan (71%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2909, 0.3046, 0.5614 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 65.2909, 0.3046, 0.5614 by changing the saturation by 10% instead.


 65.2909, 0.3046,
0.5614


 65.2909, 0.3046,
0.5614


443.8366, 0.3178,
0.4437


 47.6970, 0.2985,
0.5893


 112.4680, 0.3116,
0.5193

 33.5870, 0.2892,
0.6236


 142.8199, 0.3135,
0.5032

 22.5765, 0.2747,
0.6659


 178.1934, 0.3149,
0.4895

 14.2811, 0.2522,
0.7194

 218.9727, 0.3159,
0.4777

 8.3164, 0.2155,
0.7845

 265.5423, 0.3167,
0.4675

 4.2981, 0.1548,
0.8452

318.2865, 0.3172,

 1.8417, 0.0000,

0.4586

1.0000

377.5898, 0.3175,
0.4507

■ 0.5129, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2909, 0.3046,
0.5614

■ 65.2909, 0.3046,
0.5614

■ 64.3375, 0.3029,
0.5826

■ 66.7004, 0.3063,
0.5329


■ 63.7769, 0.3014,
0.5952


■ 68.6044, 0.3080,
0.4994


■ 63.5869, 0.3008,
0.5994


■ 71.0462, 0.3094,
0.4639

■ 74.0623, 0.3105,
0.4286

 77.6861, 0.3114,
0.3952

 81.9483, 0.3121,
0.3648

 86.8775, 0.3126,
0.3378

 91.9870, 0.3133,
0.3165

Harmonies

Analogous

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



65.2909, 0.4126, 0.5366



65.2909, 0.3046, 0.5614



65.2909, 0.2038, 0.4642

Triad

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



65.2909, 0.3046, 0.5614



65.2909, 0.1348, 0.1666



65.2909, 0.5173, 0.2977

Complementary

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



65.2909, 0.3046, 0.5614



27.4010, 0.3111, 0.1656

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.



65.2909, 0.4055, 0.2309



65.2909, 0.3046, 0.5614



65.2909, 0.1848, 0.1595

Square

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



65.2909, 0.3046, 0.5614



65.2909, 0.1198, 0.2117



65.2909, 0.2775, 0.1821



65.2909, 0.5509, 0.3725

Rectangle

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



65.2909, 0.3046, 0.5614



65.2909, 0.1559, 0.3610



65.2909, 0.2775, 0.1821



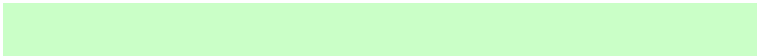
65.2909, 0.4865, 0.2742

Sweetspot

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



65.2936, 0.3046, 0.5614



88.1589, 0.3116, 0.3905



75.9183, 0.4174, 0.4810



18.6109, 0.3113, 0.3991



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.



65.2936, 0.3046, 0.5614



72.1081, 0.3022, 0.5896



66.5239, 0.2739, 0.4709



17.6945, 0.3123, 0.3534



34.1750, 0.3011, 0.5991



2.8564, 0.3039, 0.5969

Inverse Universe

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



27.4010, 0.3111, 0.1656



27.3494, 0.3095, 0.1519



25.2562, 0.4168, 0.2327



15.9883, 0.3130, 0.3057



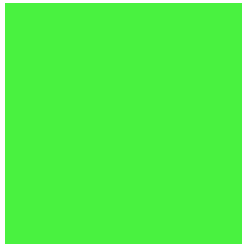
12.4785, 0.3083, 0.1472



1.0505, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 65.2909, 0.3046, 0.5614 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 65.2909, 0.3046, 0.5614 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 65.2909, 0.3046, 0.5614

Background



This preview shows how black text looks on a background with the Yxy color 65.2909, 0.3046, 0.5614.



This preview shows how white text looks on a background with the Yxy color 65.2909, 0.3046, 0.5614.

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

65.2909, 0.3046, 0.5614

Protanopia

64.0409, 0.4294, 0.4740

Deuteranopia

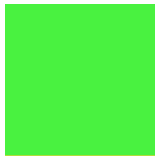
63.6301, 0.4276, 0.4215



Tritanopia

64.9174, 0.2423, 0.3068

Trichromacy



Original Color

65.2909, 0.3046, 0.5614



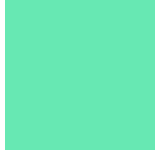
Protanomaly

61.7884, 0.3725, 0.5136



Deuteranomaly

60.1750, 0.3733, 0.4762



Tritanomaly

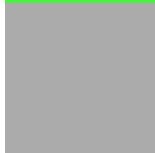
63.8515, 0.2676, 0.4012

Monochromacy



Original Color

65.2909, 0.3046, 0.5614



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.7493, 0.3104, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2909, 0.3046, 0.5614 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(73, 242, 64)` looks like.

```
.text, #text, p{  
    color:rgb(73, 242, 64)  
}
```

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(73, 242, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 64) }
```

Border

The CSS property to change the border of an element to Yxy 65.2909, 0.3046, 0.5614 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(73, 242, 64) }
```

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

```
.border{ border-color:rgb(73, 242, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 242, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 64);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2909, 0.3046, 0.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 64) }
```

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

```
.background{ background-color: rgb(73, 242,  
64) }
```

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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