

Converting Colors

$Yxy(40.7494, 0.3041, 0.4916)$

Have a look what the booklet for
Yxy(40.7494, 0.3041, 0.4916)
contains.

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Color

Yxy(40.7649, 0.3045, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	5CC05D
RGB	92, 192, 93
RGB Percent	36%, 75%, 36%
CMY	0.6389, 0.2471, 0.6352
CMYK	0.52, 0.00, 0.52, 0.25
HSL	121°, 44%, 56%
HSV	121°, 52%, 75%
XYZ	25.2449, 40.7649, 16.8963
YIQ	150.8140, -27.8210, -51.9890

Conversions

Conversions Part 2

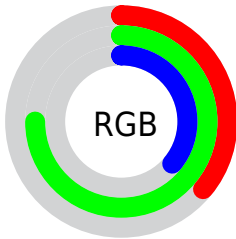
Format	Color
RYB	92, 191, 192
Decimal	6078557
CIELab	70.01, -49.33, 40.82
CIELCh	70, 64.033, 140.395
Yxy	40.7649, 0.3045, 0.4917
Android (android.graphics.Color)	4284268637 (0xFF5CC05D)
YUV	150.8140, -28.5023, -51.5799
Hunter-Lab	63.8474, -41.1551, 29.0030

Details

The Yxy color **40.7649, 0.3045, 0.4917** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **22.6370, 0.3196, 0.2068**, and the grayscale version is **31.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1853, 0.3089, 0.4580**, and **18.2988, 0.2941, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **39.6028, 0.3029, 0.5256**, and if you desaturate by 10%, it is **42.2648, 0.3062, 0.4563**.

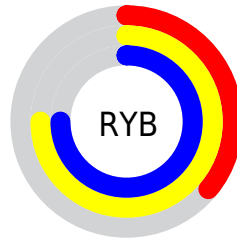
Distribution



Red (36%)

Green (75%)

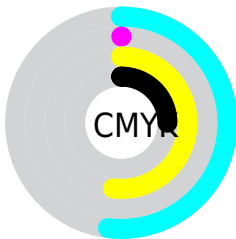
Blue (36%)



Red (36%)

Yellow (75%)

Blue (75%)

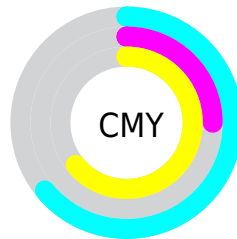


Cyan (52%)

Magenta (0%)

Yellow (52%)

Black (25%)



Cyan (64%)


Magenta (25%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7649, 0.3045, 0.4917 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 40.7649, 0.3045, 0.4917 by changing the saturation by 10% instead.


 40.7649, 0.3045,
0.4917

 40.7649, 0.3045,
0.4917


349.3371, 0.3129,
0.4028


 28.1354, 0.3006,
0.5160


 76.3269, 0.3088,
0.4577


 18.4278, 0.2943,
0.5482


 100.0282, 0.3100,
0.4454

 11.2575, 0.2836,
0.5923


 128.1889, 0.3109,
0.4353

 6.2403, 0.2642,
0.6556

 161.1933, 0.3115,
0.4267

 2.9918, 0.2318,
0.7682

199.4260, 0.3120,
0.4194

 1.1274, 0.0000,
1.0000

243.2713, 0.3124,

 0.0012, 0.0000,

0.4131

1.0000

293.1135, 0.3127,
0.4076

■ 0.0000, 0.0000,
0.0000

■ 40.7649, 0.3045,
0.4917

■ 40.7649, 0.3045,
0.4917

■ 39.6028, 0.3029,
0.5256

■ 42.2648, 0.3062,
0.4563

■ 38.7478, 0.3016,
0.5554

■ 44.1203, 0.3079,
0.4216

■ 38.1723, 0.3006,
0.5784

■ 46.3542, 0.3096,
0.3891

■ 37.8411, 0.3001,
0.5930

■ 48.9857, 0.3111,
0.3598

■ 37.7009, 0.2998,
0.5994

■ 52.0329, 0.3125,
0.3339

■ 55.5126, 0.3137,
0.3113

■ 59.4409, 0.3147,
0.2918

■ 63.8328, 0.3156,
0.2751

■ 66.1769, 0.3156,
0.2673

Harmonies

Analogous

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



40.7649, 0.3908, 0.4954



40.7649, 0.3045, 0.4917



40.7649, 0.2250, 0.4144

Triad

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



40.7649, 0.3045, 0.4917



40.7649, 0.1732, 0.1990



40.7649, 0.4720, 0.3166

Complementary

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



40.7649, 0.3045, 0.4917



22.6370, 0.3196, 0.2068

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.



40.7649, 0.3942, 0.2587



40.7649, 0.3045, 0.4917



40.7649, 0.2199, 0.1941

Square

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



40.7649, 0.3045, 0.4917



40.7649, 0.1577, 0.2355



40.7649, 0.2979, 0.2155



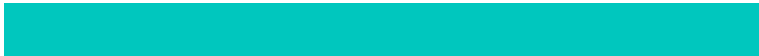
40.7649, 0.4956, 0.3811

Rectangle

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



40.7649, 0.3045, 0.4917



40.7649, 0.1870, 0.3440



40.7649, 0.2979, 0.2155



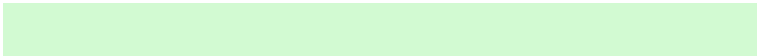
40.7649, 0.4508, 0.2963

Sweetspot

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



40.7666, 0.3045, 0.4917



86.6661, 0.3105, 0.3718



49.6767, 0.3877, 0.4529



18.3815, 0.3102, 0.3779



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7666, 0.3045, 0.4917



71.5922, 0.3028, 0.5287



41.9301, 0.2752, 0.4099



11.2603, 0.3115, 0.3526



25.3709, 0.2998, 0.5993



1.0967, 0.2991, 0.5967

Inverse Universe

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



22.6370, 0.3196, 0.2068



35.2880, 0.3208, 0.1871



20.8270, 0.3840, 0.2626



10.2458, 0.3139, 0.3065



10.0488, 0.3232, 0.1554



0.4347, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 40.7649, 0.3045, 0.4917 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 40.7649, 0.3045, 0.4917 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 40.7649, 0.3045, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 40.7649, 0.3045, 0.4917.



This preview shows how white text looks on a background with the Yxy color 40.7649, 0.3045, 0.4917.

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

40.7649, 0.3045, 0.4917

Protanopia

40.1127, 0.4021, 0.4383

Deuteranopia

39.9021, 0.4135, 0.4051



Tritanopia

40.6327, 0.2538, 0.3083

Trichromacy



Original Color

40.7649, 0.3045, 0.4917



Protanomaly

39.3344, 0.3605, 0.4595



Deuteranomaly

38.7683, 0.3681, 0.4368



Tritanomaly

40.2923, 0.2728, 0.3716

Monochromacy



Original Color

40.7649, 0.3045, 0.4917



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.6300, 0.3100, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7649, 0.3045, 0.4917 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(92, 192, 93)` looks like.

```
.text, #text, p{  
    color:rgb(92, 192, 93)  
}
```

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(92, 192, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 192, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.7649, 0.3045, 0.4917 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(92, 192, 93) }
```

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

```
.border{ border-color:rgb(92, 192, 93) }
```

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

Here you see how a box with a 4 pixel rgb(92, 192, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 192, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 192, 93);  
box-shadow:4px 4px 4px 4px rgb(92, 192,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7649, 0.3045, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 192, 93) }
```

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

```
.background{ background-color: rgb(92, 192,  
93) }
```

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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