

Converting Colors

$Yxy(40.6493, 0.3048, 0.5101)$

Have a look what the booklet for
Yxy(40.6493, 0.3048, 0.5101)
contains.

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Color

Yxy(40.6493, 0.3048, 0.5101)

Conversions

Conversions Part 1

Format	Color
Hex	54C153
RGB	84, 193, 83
RGB Percent	33%, 76%, 33%
CMY	0.6705, 0.2431, 0.6745
CMYK	0.56, 0.00, 0.57, 0.24
HSL	119°, 47%, 54%
HSV	119°, 57%, 76%
XYZ	24.2892, 40.6493, 14.7504
YIQ	147.8690, -29.6540, -57.3180

Conversions

Conversions Part 2

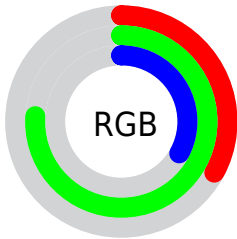
Format	Color
RYB	83, 193, 192
Decimal	5554515
CIELab	69.93, -53.09, 45.44
CIELCh	70, 69.880, 139.443
Yxy	40.6493, 0.3048, 0.5101
Android (android.graphics.Color)	4283744595 (0xFF54C153)
YUV	147.8690, -31.9804, -56.0131
Hunter-Lab	63.7568, -43.5720, 30.9128

Details

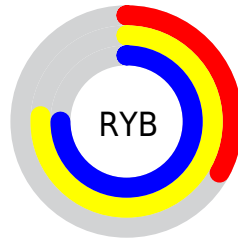
The Yxy color **40.6493, 0.3048, 0.5101** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **21.2424, 0.3177, 0.1959**, and the grayscale version is **29.7055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9601, 0.3102, 0.4724**, and **18.2823, 0.2925, 0.5720** is the 20% darker color. If you saturate the color by 10%, you get **39.6278, 0.3033, 0.5423**, and if you desaturate by 10%, it is **41.9980, 0.3064, 0.4750**.

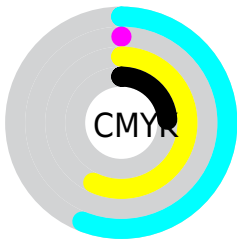
Distribution



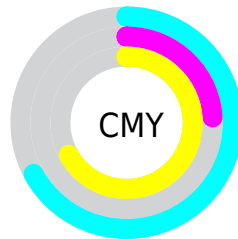
- Red (33%)
- Green (76%)
- Blue (33%)



- Red (33%)
- Yellow (76%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (57%)
- Black (24%)




- Cyan (67%)
- Magenta (24%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6493, 0.3048, 0.5101 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 40.6493, 0.3048, 0.5101 by changing the saturation by 10% instead.


 40.6493, 0.3048,
0.5101


 40.6493, 0.3048,
0.5101


348.8527, 0.3141,
0.4109

 28.0452, 0.3002,
0.5371


 76.1512, 0.3098,
0.4722


 18.3597, 0.2926,
0.5725


 99.8178, 0.3111,
0.4585

 11.2085, 0.2796,
0.6205


 127.9407, 0.3121,
0.4472

 6.2073, 0.2583,
0.6935

 160.9042, 0.3128,
0.4376

 2.9715, 0.2123,
0.7877

 199.0927, 0.3133,
0.4294

 1.1169, 0.0000,
1.0000

242.8908, 0.3137,

 0.0000, 0.0000,

0.4224

0.0000

292.6826, 0.3139,
0.4163

■ 40.6493, 0.3048,
0.5101

■ 40.6493, 0.3048,
0.5101

■ 39.6278, 0.3033,
0.5423

■ 41.9980, 0.3064,
0.4750

■ 38.9011, 0.3019,
0.5688

■ 43.6930, 0.3080,
0.4395

■ 38.4395, 0.3009,
0.5874

■ 45.7577, 0.3095,
0.4055

■ 38.2018, 0.3003,
0.5976

■ 48.2121, 0.3108,
0.3743

■ 38.1519, 0.3002,
0.5999

■ 51.0750, 0.3120,
0.3465

■ 54.3636, 0.3130,
0.3220

■ 58.0944, 0.3139,
0.3008

■ 62.2829, 0.3146,
0.2826

■ 66.6204, 0.3156,
0.2683

Harmonies

Analogous

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



40.6493, 0.3974, 0.5079



40.6493, 0.3048, 0.5101



40.6493, 0.2191, 0.4266

Triad

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



40.6493, 0.3048, 0.5101



40.6493, 0.1623, 0.1898



40.6493, 0.4846, 0.3119

Complementary

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



40.6493, 0.3048, 0.5101



21.2424, 0.3177, 0.1959

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.



40.6493, 0.3979, 0.2513



40.6493, 0.3048, 0.5101



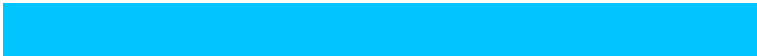
40.6493, 0.2103, 0.1843

Square

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



40.6493, 0.3048, 0.5101



40.6493, 0.1468, 0.2288



40.6493, 0.2929, 0.2062



40.6493, 0.5109, 0.3799

Rectangle

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



40.6493, 0.3048, 0.5101



40.6493, 0.1783, 0.3479



40.6493, 0.2929, 0.2062



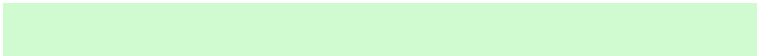
40.6493, 0.4609, 0.2906

Sweetspot

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



40.6510, 0.3048, 0.5101



86.2168, 0.3108, 0.3751



49.2971, 0.3946, 0.4607



18.2941, 0.3105, 0.3812



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.



40.6510, 0.3048, 0.5101



70.6610, 0.3030, 0.5483



41.7622, 0.2741, 0.4225



11.2632, 0.3117, 0.3528



25.3772, 0.3002, 0.5998



1.0980, 0.3011, 0.5991

Inverse Universe

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



21.2424, 0.3177, 0.1959



32.6451, 0.3183, 0.1763



19.4139, 0.3915, 0.2550



10.2426, 0.3136, 0.3063



9.9487, 0.3186, 0.1529



0.4314, 0.3192, 0.1532

Previews

White Background



This preview shows how the Yxy color 40.6493, 0.3048, 0.5101 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 40.6493, 0.3048, 0.5101 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 40.6493, 0.3048, 0.5101

Background



This preview shows how black text looks on a background with the Yxy color 40.6493, 0.3048, 0.5101.



This preview shows how white text looks on a background with the Yxy color 40.6493, 0.3048, 0.5101.

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

40.6493, 0.3048, 0.5101

Protanopia

39.9626, 0.4091, 0.4490

Deuteranopia

40.0233, 0.4231, 0.4144



Tritanopia

40.3483, 0.2502, 0.3067

Trichromacy



Original Color

40.6493, 0.3048, 0.5101



Protanomaly

38.8893, 0.3642, 0.4735



Deuteranomaly

38.3949, 0.3728, 0.4494



Tritanomaly

39.8312, 0.2710, 0.3770

Monochromacy



Original Color

40.6493, 0.3048, 0.5101



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.3661, 0.3105, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6493, 0.3048, 0.5101 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(84, 193, 83)` looks like.

```
.text, #text, p{  
    color:rgb(84, 193, 83)  
}
```

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(84, 193, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 193, 83) }
```

Border

The CSS property to change the border of an element to Yxy 40.6493, 0.3048, 0.5101 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(84, 193, 83) }
```

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

```
.border{ border-color:rgb(84, 193, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 193, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 193, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 193, 83);  
box-shadow:4px 4px 4px 4px rgb(84, 193,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6493, 0.3048, 0.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 193, 83) }
```

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

```
.background{ background-color: rgb(84, 193,  
83) }
```

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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