

Converting Colors

Yxy(47.6195, 0.3055, 0.4834)

Have a look what the booklet for
Yxy(47.6195, 0.3055, 0.4834)
contains.

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Color

Yxy(47.6052, 0.3054, 0.4841)

Conversions

Conversions Part 1

Format	Color
Hex	68CD68
RGB	104, 205, 104
RGB Percent	41%, 80%, 41%
CMY	0.5924, 0.1960, 0.5922
CMYK	0.49, 0.00, 0.49, 0.20
HSL	120°, 50%, 61%
HSV	120°, 49%, 80%
XYZ	30.0323, 47.6052, 20.7001
YIQ	163.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

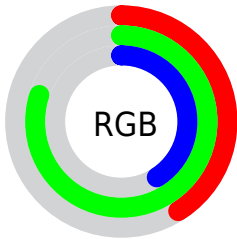
Format	Color
RYB	104, 205, 205
Decimal	6868328
CIELab	74.58, -49.86, 41.16
CIElCh	75, 64.653, 140.455
Yxy	47.6052, 0.3054, 0.4841
Android (android.graphics.Color)	4285058408 (0xFF68CD68)
YUV	163.2870, -29.2285, -51.9947
Hunter-Lab	68.9965, -43.0478, 30.5096

Details

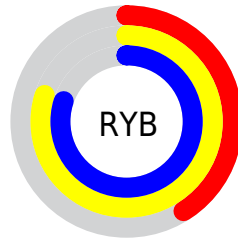
The Yxy color **47.6052, 0.3054, 0.4841** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.2724, 0.3183, 0.2110**, and the grayscale version is **36.9117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5314, 0.3094, 0.4462**, and **22.5833, 0.2973, 0.5352** is the 20% darker color. If you saturate the color by 10%, you get **46.1599, 0.3038, 0.5189**, and if you desaturate by 10%, it is **49.4537, 0.3071, 0.4483**.

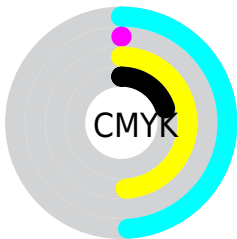
Distribution



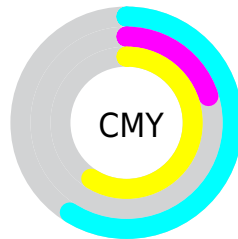
- Red (41%)
- Green (80%)
- Blue (41%)



- Red (41%)
- Yellow (80%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)




- Cyan (59%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6052, 0.3054, 0.4841 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 47.6052, 0.3054, 0.4841 by changing the saturation by 10% instead.


 47.6052, 0.3054,
0.4841


 47.6052, 0.3054,
0.4841


377.2251, 0.3129,
0.4015

 33.5143, 0.3021,
0.5059

 86.6163, 0.3091,
0.4531

 22.5208, 0.2969,
0.5345

 112.3053, 0.3102,
0.4417

 14.2400, 0.2884,
0.5729


 142.6292, 0.3110,
0.4322

 8.2878, 0.2732,
0.6264

 177.9723, 0.3116,
0.4242

 4.2797, 0.2541,
0.7315

218.7191, 0.3120,
0.4173

 1.8312, 0.1474,
0.8526

265.2539, 0.3124,

 0.5065, 0.0000,

0.4113

1.0000

317.9611, 0.3127,
0.4061

■ 0.0000, 0.0000,
0.0000

■ 47.6052, 0.3054,
0.4841

■ 47.6052, 0.3054,
0.4841

■ 46.1599, 0.3038,
0.5189

■ 49.4537, 0.3071,
0.4483

■ 45.0825, 0.3023,
0.5500

■ 51.7259, 0.3087,
0.4136

■ 44.3413, 0.3012,
0.5747

■ 54.4481, 0.3102,
0.3815


■ 43.8969, 0.3004,
0.5911


■ 57.6427, 0.3116,
0.3527

■ 43.6817, 0.3000,
0.5995

■ 61.3306, 0.3128,
0.3274

 43.6694, 0.3000,
0.6000

 65.5313, 0.3138,
0.3054

 70.2636, 0.3147,
0.2865

 72.1491, 0.3150,
0.2802

Harmonies

Analogous

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



47.6052, 0.3888, 0.4891



47.6052, 0.3054, 0.4841



47.6052, 0.2285, 0.4105

Triad

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



47.6052, 0.3054, 0.4841



47.6052, 0.1779, 0.2034



47.6052, 0.4656, 0.3178

Complementary

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



47.6052, 0.3054, 0.4841



27.2724, 0.3183, 0.2110

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.



47.6052, 0.3912, 0.2614



47.6052, 0.3054, 0.4841



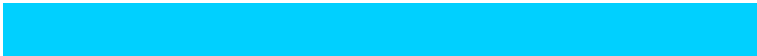
47.6052, 0.2234, 0.1986

Square

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



47.6052, 0.3054, 0.4841



47.6052, 0.1628, 0.2392



47.6052, 0.2989, 0.2193



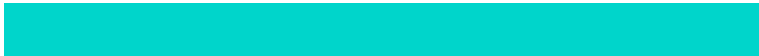
47.6052, 0.4887, 0.3806

Rectangle

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



47.6052, 0.3054, 0.4841



47.6052, 0.1916, 0.3436



47.6052, 0.2989, 0.2193



47.6052, 0.4453, 0.2980

Sweetspot

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



47.6072, 0.3054, 0.4841



91.2315, 0.3108, 0.3692



57.6482, 0.3845, 0.4477



19.2953, 0.3105, 0.3755



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.



47.6072, 0.3054, 0.4841



75.5088, 0.3037, 0.5204



48.9567, 0.2765, 0.4052



12.5371, 0.3116, 0.3529



27.1819, 0.3000, 0.6000



1.4023, 0.2999, 0.5998

Inverse Universe

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



27.2724, 0.3183, 0.2110



38.4854, 0.3193, 0.1912



25.2160, 0.3791, 0.2655



11.4036, 0.3138, 0.3062



10.8201, 0.3211, 0.1542



0.5582, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 47.6052, 0.3054, 0.4841 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 47.6052, 0.3054, 0.4841 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 47.6052, 0.3054, 0.4841

Background



This preview shows how black text looks on a background with the Yxy color 47.6052, 0.3054, 0.4841.



This preview shows how white text looks on a background with the Yxy color 47.6052, 0.3054, 0.4841.

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

47.6052, 0.3054, 0.4841

Protanopia

46.7179, 0.3994, 0.4347

Deuteranopia

46.8141, 0.4109, 0.4017



Tritanopia

47.1790, 0.2549, 0.3069

Trichromacy



Original Color

47.6052, 0.3054, 0.4841



Protanomaly

45.8348, 0.3605, 0.4540



Deuteranomaly

45.2670, 0.3667, 0.4315



Tritanomaly

46.7243, 0.2734, 0.3673

Monochromacy



Original Color

47.6052, 0.3054, 0.4841



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.5446, 0.3101, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6052, 0.3054, 0.4841 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(104, 205, 104)` looks like.

```
.text, #text, p{  
    color:rgb(104, 205, 104)  
}
```

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(104, 205, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 205, 104) }
```

Border

The CSS property to change the border of an element to Yxy 47.6052, 0.3054, 0.4841 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(104, 205, 104) }
```

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

```
.border{ border-color:rgb(104, 205, 104) }
```

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

Here you see how a box with a 4 pixel rgb(104, 205, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 205, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 205, 104);  
box-shadow:4px 4px 4px 4px rgb(104, 205,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6052, 0.3054, 0.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 205, 104) }
```

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

```
.background{ background-color: rgb(104,  
205, 104) }
```

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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