

Converting Colors

$Yxy(40.5764, 0.2853, 0.4610)$

Have a look what the booklet for
Yxy(40.5764, 0.2853, 0.4610)
contains.

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Color

Yxy(40.5764, 0.2850, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	4FC072
RGB	79, 192, 114
RGB Percent	31%, 75%, 45%
CMY	0.6901, 0.2471, 0.5530
CMYK	0.59, 0.00, 0.41, 0.25
HSL	139°, 47%, 53%
HSV	139°, 59%, 75%
XYZ	25.1124, 40.5764, 22.4250
YIQ	149.3210, -42.3100, -48.2140

Conversions

Conversions Part 2

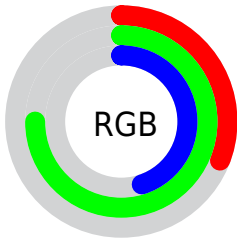
Format	Color
RYB	79, 165, 192
Decimal	5226610
CIELab	69.88, -49.33, 29.96
CIElCh	70, 57.709, 148.730
Yxy	40.5764, 0.2850, 0.4605
Android (android.graphics.Color)	4283416690 (0xFF4FC072)
YUV	149.3210, -17.4133, -61.6715
Hunter-Lab	63.6996, -41.1039, 23.7171

Details

The Yxy color **40.5764, 0.2850, 0.4605** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **19.2381, 0.3651, 0.2294**, and the grayscale version is **30.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8597, 0.2915, 0.4322**, and **18.2730, 0.2736, 0.5051** is the 20% darker color. If you saturate the color by 10%, you get **39.5896, 0.2834, 0.4870**, and if you desaturate by 10%, it is **41.8481, 0.2880, 0.4342**.

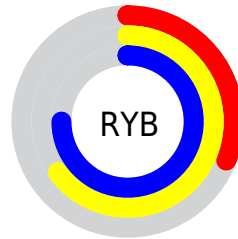
Distribution



Red (31%)

Green (75%)

Blue (45%)



Red (31%)

Yellow (65%)

Blue (75%)

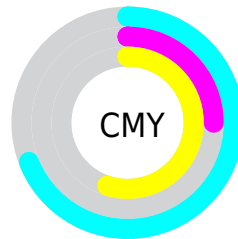


Cyan (59%)

Magenta (0%)

Yellow (41%)

Black (25%)



Cyan (69%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5764, 0.2850, 0.4605 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 40.5764, 0.2850, 0.4605 by changing the saturation by 10% instead.


 40.5764, 0.2850,
0.4605


 40.5764, 0.2850,
0.4605


348.5471, 0.3018,
0.3885

 27.9882, 0.2797,
0.4805


 76.0404, 0.2919,
0.4328


 18.3168, 0.2721,
0.5074


 99.6851, 0.2942,
0.4229

 11.1777, 0.2606,
0.5452


 127.7841, 0.2961,
0.4147

 6.1865, 0.2417,
0.6013

 160.7217, 0.2977,
0.4078

 2.9588, 0.2141,
0.7131

198.8824, 0.2990,
0.4019

 1.1103, 0.0000,
1.0000

242.6506, 0.3001,

 0.0000, 0.0000,

0.3968

0.0000

292.4107, 0.3010,
0.3924

■ 40.5764, 0.2850,
0.4605

■ 40.5764, 0.2850,
0.4605

■ 39.5896, 0.2834,
0.4870

■ 41.8481, 0.2880,
0.4342

■ 38.8596, 0.2834,
0.5124

■ 43.4200, 0.2921,
0.4089

■ 38.3614, 0.2850,
0.5356

■ 45.3121, 0.2969,
0.3853

■ 38.0508, 0.2879,
0.5556

■ 47.5415, 0.3022,
0.3637

■ 38.0201, 0.2883,
0.5577

■ 50.1239, 0.3078,
0.3443

■ 53.0738, 0.3134,
0.3271

■ 56.4052, 0.3189,
0.3120

■ 60.1313, 0.3242,
0.2987

■ 64.2644, 0.3293,
0.2872

Harmonies

Analogous

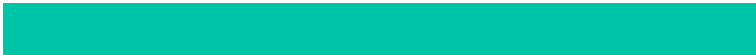
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5764, 0.3647, 0.4847



40.5764, 0.2850, 0.4605



40.5764, 0.2172, 0.3799

Triad

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



40.5764, 0.2850, 0.4605



40.5764, 0.1934, 0.2056



40.5764, 0.4684, 0.3355

Complementary

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



40.5764, 0.2850, 0.4605



19.2381, 0.3651, 0.2294

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.



40.5764, 0.4094, 0.2789



40.5764, 0.2850, 0.4605



40.5764, 0.2454, 0.2079

Square

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



40.5764, 0.2850, 0.4605



40.5764, 0.1709, 0.2316



40.5764, 0.3235, 0.2339



40.5764, 0.4757, 0.3963

Rectangle

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



40.5764, 0.2850, 0.4605



40.5764, 0.1875, 0.3185



40.5764, 0.3235, 0.2339



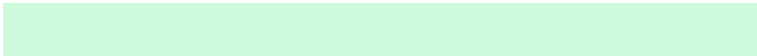
40.5764, 0.4538, 0.3159

Sweetspot

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



40.5781, 0.2850, 0.4605



86.3826, 0.3025, 0.3626



45.5450, 0.3646, 0.4829



18.2613, 0.3009, 0.3687



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.



40.5781, 0.2850, 0.4605



71.2473, 0.2832, 0.4955



42.2432, 0.2527, 0.3646



11.3090, 0.3075, 0.3453



25.5955, 0.2876, 0.5555



1.1185, 0.2745, 0.5081

Inverse Universe

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



19.2381, 0.3651, 0.2294



28.9409, 0.3821, 0.2144



17.7544, 0.4550, 0.3002



10.1927, 0.3184, 0.3132



8.6869, 0.4170, 0.2071



0.3872, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 40.5764, 0.2850, 0.4605 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 40.5764, 0.2850, 0.4605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

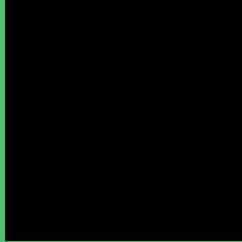
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5764, 0.2850, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 40.5764, 0.2850, 0.4605.



This preview shows how white text looks on a background with the Yxy color 40.5764, 0.2850, 0.4605.

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

40.5764, 0.2850, 0.4605

Protanopia

40.0837, 0.3840, 0.4168

Deuteranopia

39.6386, 0.3901, 0.3822



Tritanopia

40.3119, 0.2455, 0.3066

Trichromacy



Original Color

40.5764, 0.2850, 0.4605



Protanomaly

39.0345, 0.3401, 0.4355



Deuteranomaly

38.3632, 0.3441, 0.4110



Tritanomaly

40.2875, 0.2597, 0.3590

Monochromacy



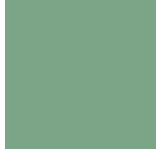
Original Color

40.5764, 0.2850, 0.4605



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.9729, 0.2997, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5764, 0.2850, 0.4605 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(79, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(79, 192, 114)  
}
```

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(79, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 192, 114) }
```

Border

The CSS property to change the border of an element to Yxy 40.5764, 0.2850, 0.4605 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(79, 192, 114) }
```

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

```
.border{ border-color:rgb(79, 192, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 192, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 192, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 192, 114);  
box-shadow:4px 4px 4px 4px rgb(79, 192,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5764, 0.2850, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 192, 114) }
```

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

```
.background{ background-color: rgb(79, 192,  
114) }
```

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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