

Converting Colors

$Yxy(41.0298, 0.2897, 0.4618)$

Have a look what the booklet for
Yxy(41.0298, 0.2897, 0.4618)
contains.

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Color

Yxy(40.8700, 0.2894, 0.4608)

Conversions

Conversions Part 1

Format	Color
Hex	56C071
RGB	86, 192, 113
RGB Percent	34%, 75%, 44%
CMY	0.6627, 0.2470, 0.5569
CMYK	0.55, 0.00, 0.41, 0.25
HSL	135°, 46%, 55%
HSV	135°, 55%, 75%
XYZ	25.6679, 40.8700, 22.1557
YIQ	151.3000, -37.8170, -47.0410

Conversions

Conversions Part 2

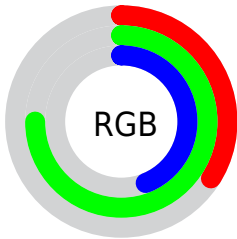
Format	Color
RYB	86, 170, 192
Decimal	5685361
CIELab	70.08, -47.87, 30.79
CIElCh	70, 56.913, 147.253
Yxy	40.8700, 0.2894, 0.4608
Android (android.graphics.Color)	4283875441 (0xFF56C071)
YUV	151.3000, -18.8819, -57.2681
Hunter-Lab	63.9296, -40.2087, 24.2030

Details

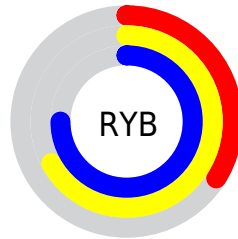
The Yxy color **40.8700, 0.2894, 0.4608** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **20.5808, 0.3527, 0.2278**, and the grayscale version is **31.1784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3442, 0.2951, 0.4326**, and **18.3630, 0.2774, 0.5059** is the 20% darker color. If you saturate the color by 10%, you get **39.7821, 0.2875, 0.4891**, and if you desaturate by 10%, it is **42.2569, 0.2924, 0.4328**.

Distribution



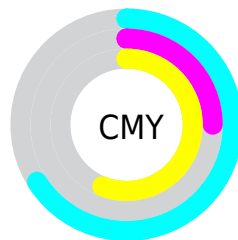
- Red (34%)
- Green (75%)
- Blue (44%)



- Red (34%)
- Yellow (67%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)




- Cyan (66%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8700, 0.2894, 0.4608 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 40.8700, 0.2894, 0.4608 by changing the saturation by 10% instead.


 40.8700, 0.2894,
0.4608

 40.8700, 0.2894,
0.4608


349.7770, 0.3040,
0.3888

 28.2175, 0.2846,
0.4807


 76.4865, 0.2955,
0.4332

 18.4897, 0.2777,
0.5075


 100.2193, 0.2975,
0.4233

 11.3021, 0.2672,
0.5449


 128.4144, 0.2992,
0.4150

 6.2704, 0.2495,
0.6003

 161.4561, 0.3005,
0.4081

 3.0102, 0.2245,
0.7120

199.7288, 0.3016,
0.4022

 1.1371, 0.0000,
1.0000

243.6169, 0.3025,

 0.0094, 0.0000,

0.3971

1.0000

293.5048, 0.3033,
0.3927

0.0000, 0.0000,
0.0000

40.8700, 0.2894,
0.4608

40.8700, 0.2894,
0.4608

39.7821, 0.2875,
0.4891

42.2569, 0.2924,
0.4328

38.9656, 0.2871,
0.5163

43.9578, 0.2963,
0.4060

38.3964, 0.2881,
0.5409

45.9928, 0.3007,
0.3812

38.0433, 0.2905,
0.5617

48.3785, 0.3054,
0.3587

37.9216, 0.2917,
0.5701

51.1309, 0.3102,
0.3385

■ 54.2645, 0.3150,
0.3208

■ 57.7935, 0.3196,
0.3052

■ 61.7309, 0.3241,
0.2917

■ 65.3598, 0.3253,
0.2794

Harmonies

Analogous

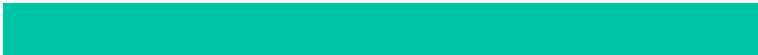
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8700, 0.3680, 0.4818



40.8700, 0.2894, 0.4608



40.8700, 0.2214, 0.3836

Triad

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



40.8700, 0.2894, 0.4608



40.8700, 0.1933, 0.2079



40.8700, 0.4642, 0.3328

Complementary

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



40.8700, 0.2894, 0.4608



20.5808, 0.3527, 0.2278

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.



40.8700, 0.4040, 0.2772



40.8700, 0.2894, 0.4608



40.8700, 0.2432, 0.2088

Square

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



40.8700, 0.2894, 0.4608



40.8700, 0.1724, 0.2352



40.8700, 0.3192, 0.2334



40.8700, 0.4742, 0.3928

Rectangle

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



40.8700, 0.2894, 0.4608



40.8700, 0.1909, 0.3231



40.8700, 0.3192, 0.2334



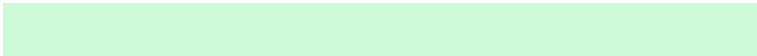
40.8700, 0.4490, 0.3134

Sweetspot

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



40.8717, 0.2894, 0.4608



86.7088, 0.3044, 0.3631



46.4264, 0.3673, 0.4716



18.4089, 0.3034, 0.3676



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.



40.8717, 0.2894, 0.4608



71.7700, 0.2873, 0.4942



42.4146, 0.2581, 0.3707



11.3000, 0.3082, 0.3466



25.5270, 0.2911, 0.5681



1.1146, 0.2783, 0.5220

Inverse Universe

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



20.5808, 0.3527, 0.2278



31.3468, 0.3645, 0.2116



19.0447, 0.4328, 0.2942



10.2023, 0.3176, 0.3120



8.8908, 0.3970, 0.1960



0.3948, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 40.8700, 0.2894, 0.4608 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 40.8700, 0.2894, 0.4608 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 40.8700, 0.2894, 0.4608

Background



This preview shows how black text looks on a background with the Yxy color 40.8700, 0.2894, 0.4608.

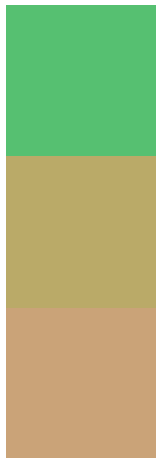


This preview shows how white text looks on a background with the Yxy color 40.8700, 0.2894, 0.4608.

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

40.8700, 0.2894, 0.4608

Protanopia

40.1880, 0.3859, 0.4177

Deuteranopia

40.1070, 0.3916, 0.3845



Tritanopia

40.6753, 0.2488, 0.3067

Trichromacy



Original Color

40.8700, 0.2894, 0.4608



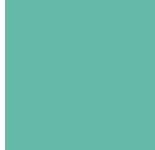
Protanomaly

39.3864, 0.3446, 0.4356



Deuteranomaly

39.0300, 0.3475, 0.4130



Tritanomaly

40.5803, 0.2637, 0.3603

Monochromacy



Original Color

40.8700, 0.2894, 0.4608



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.5906, 0.3015, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8700, 0.2894, 0.4608 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(86, 192, 113)` looks like.

```
.text, #text, p{  
    color:rgb(86, 192, 113)  
}
```

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(86, 192, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 192, 113) }
```

Border

The CSS property to change the border of an element to Yxy 40.8700, 0.2894, 0.4608 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(86, 192, 113) }
```

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

```
.border{ border-color:rgb(86, 192, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 192, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 192, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 192, 113);  
box-shadow:4px 4px 4px 4px rgb(86, 192,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8700, 0.2894, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 192, 113) }
```

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

```
.background{ background-color: rgb(86, 192,  
113) }
```

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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