

Converting Colors

$Yxy(39.7405, 0.2891, 0.4698)$

Have a look what the booklet for
Yxy(39.7405, 0.2891, 0.4698)
contains.

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Color

Yxy(39.5939, 0.2894, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	50BE6B
RGB	80, 190, 107
RGB Percent	31%, 75%, 42%
CMY	0.6860, 0.2549, 0.5804
CMYK	0.58, 0.00, 0.44, 0.25
HSL	135°, 46%, 53%
HSV	135°, 58%, 75%
XYZ	24.3797, 39.5939, 20.2687
YIQ	147.6480, -38.9170, -49.1330

Conversions

Conversions Part 2

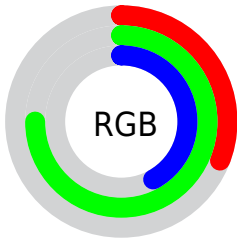
Format	Color
RYB	80, 168, 190
Decimal	5291627
CIELab	69.18, -49.46, 32.66
CIELCh	69, 59.277, 146.561
Yxy	39.5939, 0.2894, 0.4700
Android (android.graphics.Color)	4283481707 (0xFF50BE6B)
YUV	147.6480, -20.0395, -59.3273
Hunter-Lab	62.9237, -40.9568, 24.9483

Details

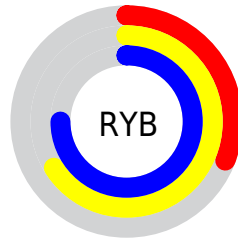
The Yxy color **39.5939, 0.2894, 0.4700** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.3398, 0.3537, 0.2227**, and the grayscale version is **29.5649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4280, 0.2959, 0.4405**, and **17.9138, 0.2778, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **38.6041, 0.2879, 0.4984**, and if you desaturate by 10%, it is **40.8709, 0.2921, 0.4415**.

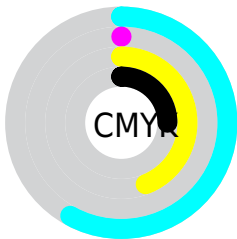
Distribution



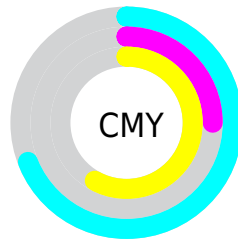
- Red (31%)
- Green (75%)
- Blue (42%)



- Red (31%)
- Yellow (66%)
- Blue (75%)



- Cyan (58%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)





- Cyan (69%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5939, 0.2894, 0.4700 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 39.5939, 0.2894, 0.4700 by changing the saturation by 10% instead.


 39.5939, 0.2894,
0.4700


 39.5939, 0.2894,
0.4700


344.4089, 0.3044,
0.3925

 27.2221, 0.2843,
0.4917


 74.5447, 0.2958,
0.4401

 17.7401, 0.2769,
0.5208


 97.8925, 0.2979,
0.4294

 10.7635, 0.2652,
0.5616


 125.6677, 0.2996,
0.4206

 5.9081, 0.2454,
0.6220

 158.2547, 0.3009,
0.4131

 2.7893, 0.2234,
0.7688

196.0380, 0.3020,
0.4068

 1.0227, 0.0000,
1.0000

239.4018, 0.3029,

 0.0000, 0.0000,

0.4014

0.0000

288.7307, 0.3037,
0.3966

■ 39.5939, 0.2894,
0.4700

■ 39.5939, 0.2894,
0.4700

■ 38.6041, 0.2879,
0.4984

■ 40.8709, 0.2921,
0.4415

■ 37.8738, 0.2878,
0.5252

■ 42.4505, 0.2956,
0.4140

■ 37.3784, 0.2892,
0.5489

■ 44.3525, 0.2998,
0.3883

■ 37.0789, 0.2917,
0.5683

■ 46.5939, 0.3044,
0.3648

■ 37.0273, 0.2922,
0.5720

■ 49.1903, 0.3090,
0.3438

■ 52.1564, 0.3137,
0.3252

■ 55.5061, 0.3182,
0.3089

■ 59.2524, 0.3226,
0.2947

■ 63.4080, 0.3267,
0.2823

Harmonies

Analogous

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



39.5939, 0.3715, 0.4894



39.5939, 0.2894, 0.4700



39.5939, 0.2181, 0.3887

Triad

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



39.5939, 0.2894, 0.4700



39.5939, 0.1873, 0.2029



39.5939, 0.4711, 0.3307

Complementary

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



39.5939, 0.2894, 0.4700



19.3398, 0.3537, 0.2227

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.



39.5939, 0.4068, 0.2734



39.5939, 0.2894, 0.4700



39.5939, 0.2383, 0.2034

Square

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



39.5939, 0.2894, 0.4700



39.5939, 0.1664, 0.2315



39.5939, 0.3172, 0.2284



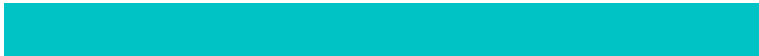
39.5939, 0.4823, 0.3929

Rectangle

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



39.5939, 0.2894, 0.4700



39.5939, 0.1861, 0.3243



39.5939, 0.3172, 0.2284



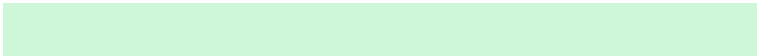
39.5939, 0.4548, 0.3107

Sweetspot

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



39.5955, 0.2894, 0.4700



84.6952, 0.3046, 0.3635



45.3351, 0.3707, 0.4768



18.4040, 0.3037, 0.3681



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.



39.5955, 0.2894, 0.4700



69.6203, 0.2878, 0.5046



41.0958, 0.2575, 0.3762



10.6870, 0.3083, 0.3468



24.6327, 0.2916, 0.5699



0.9756, 0.2781, 0.5210

Inverse Universe

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



19.3398, 0.3537, 0.2227



29.5337, 0.3656, 0.2069



17.8059, 0.4387, 0.2905



9.6552, 0.3174, 0.3118



8.6196, 0.3935, 0.1941



0.3474, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 39.5939, 0.2894, 0.4700 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 39.5939, 0.2894, 0.4700 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 39.5939, 0.2894, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 39.5939, 0.2894, 0.4700.



This preview shows how white text looks on a background with the Yxy color 39.5939, 0.2894, 0.4700.

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

39.5939, 0.2894, 0.4700

Protanopia

39.0965, 0.3891, 0.4223

Deuteranopia

38.7740, 0.3978, 0.3886



Tritanopia

39.4211, 0.2472, 0.3078

Trichromacy



Original Color

39.5939, 0.2894, 0.4700



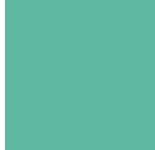
Protanomaly

38.1210, 0.3452, 0.4419



Deuteranomaly

37.4416, 0.3506, 0.4188



Tritanomaly

39.3225, 0.2628, 0.3642

Monochromacy



Original Color

39.5939, 0.2894, 0.4700



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.0988, 0.3013, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5939, 0.2894, 0.4700 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(80, 190, 107)` looks like.

```
.text, #text, p{  
    color:rgb(80, 190, 107)  
}
```

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(80, 190, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 190, 107) }
```

Border

The CSS property to change the border of an element to Yxy 39.5939, 0.2894, 0.4700 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(80, 190, 107) }
```

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

```
.border{ border-color:rgb(80, 190, 107) }
```

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

Here you see how a box with a 4 pixel rgb(80, 190, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 190, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 190, 107);  
box-shadow:4px 4px 4px 4px rgb(80, 190,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5939, 0.2894, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 190, 107) }
```

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

```
.background{ background-color: rgb(80, 190,  
107) }
```

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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