

Converting Colors

Yxy(47.1766, 0.2980, 0.5045)

Have a look what the booklet for
Yxy(47.1766, 0.2980, 0.5045)
contains.

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Color

Yxy(47.2909, 0.2982, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	53CF5F
RGB	83, 207, 95
RGB Percent	33%, 81%, 37%
CMY	0.6744, 0.1882, 0.6274
CMYK	0.60, 0.00, 0.54, 0.19
HSL	126°, 56%, 57%
HSV	126°, 60%, 81%
XYZ	27.9472, 47.2909, 18.4815
YIQ	157.1560, -37.9520, -61.1200

Conversions

Conversions Part 2

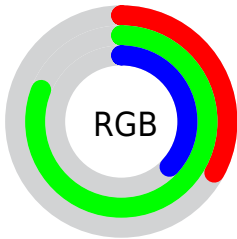
Format	Color
RYB	83, 196, 207
Decimal	5492575
CIELab	74.38, -57.07, 45.08
CIELCh	74, 72.726, 141.690
Yxy	47.2909, 0.2982, 0.5046
Android (android.graphics.Color)	4283682655 (0xFF53CF5F)
YUV	157.1560, -30.6429, -65.0348
Hunter-Lab	68.7684, -47.8030, 32.2037

Details

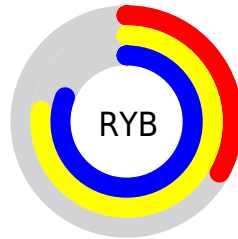
The Yxy color **47.2909, 0.2982, 0.5046** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **23.3970, 0.3329, 0.2014**, and the grayscale version is **33.9480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4978, 0.3039, 0.4608**, and **22.3076, 0.2890, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **46.1872, 0.2971, 0.5353**, and if you desaturate by 10%, it is **48.7612, 0.3000, 0.4717**.

Distribution



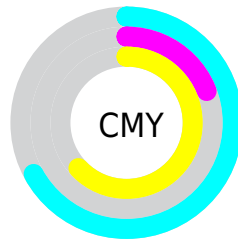
- Red (33%)
- Green (81%)
- Blue (37%)



- Red (33%)
- Yellow (77%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (54%)
- Black (19%)




- Cyan (67%)
- Magenta (19%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2909, 0.2982, 0.5046 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 47.2909, 0.2982, 0.5046 by changing the saturation by 10% instead.


 47.2909, 0.2982,
0.5046


 47.2909, 0.2982,
0.5046


375.9745, 0.3103,
0.4104


 33.2657, 0.2933,
0.5296


 86.1477, 0.3039,
0.4691

 22.3301, 0.2859,
0.5622


 111.7480, 0.3057,
0.4561

 14.0996, 0.2740,
0.6058


 141.9756, 0.3070,
0.4453

 8.1900, 0.2535,
0.6658

 177.2146, 0.3080,
0.4362

 4.2168, 0.2239,
0.7761

217.8497, 0.3088,
0.4283

 1.7955, 0.0624,
0.9376

264.2651, 0.3094,

 0.4844, 0.0000,

0.4215

1.0000

316.8452, 0.3099,
0.4156

■ 0.0000, 0.0000,
0.0000

■ 47.2909, 0.2982,
0.5046

■ 47.2909, 0.2982,
0.5046

■ 46.1872, 0.2971,
0.5353

■ 48.7612, 0.3000,
0.4717

■ 45.4123, 0.2969,
0.5616

■ 50.6203, 0.3022,
0.4386

■ 44.9309, 0.2974,
0.5813

■ 52.8953, 0.3048,
0.4071

■ 44.6792, 0.2983,
0.5939

■ 55.6094, 0.3075,
0.3780

■ 44.6770, 0.2983,
0.5940

■ 58.7841, 0.3102,
0.3518

■ 62.4393, 0.3127,
0.3288

■ 66.5939, 0.3152,
0.3087

■ 71.2659, 0.3174,
0.2913

■ 73.1065, 0.3149,
0.2821

Harmonies

Analogous

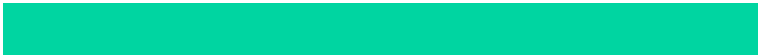
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2909, 0.3904, 0.5090



47.2909, 0.2982, 0.5046



47.2909, 0.2148, 0.4170

Triad

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



47.2909, 0.2982, 0.5046



47.2909, 0.1659, 0.1895



47.2909, 0.4871, 0.3172

Complementary

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



47.2909, 0.2982, 0.5046



23.3970, 0.3329, 0.2014

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.



47.2909, 0.4048, 0.2561



47.2909, 0.2982, 0.5046



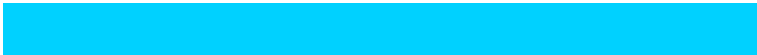
47.2909, 0.2162, 0.1862

Square

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



47.2909, 0.2982, 0.5046



47.2909, 0.1482, 0.2255



47.2909, 0.3005, 0.2098



47.2909, 0.5083, 0.3850

Rectangle

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



47.2909, 0.2982, 0.5046



47.2909, 0.1760, 0.3394



47.2909, 0.3005, 0.2098



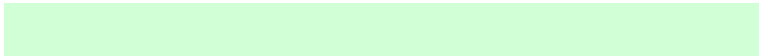
47.2909, 0.4652, 0.2958

Sweetspot

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



47.2929, 0.2982, 0.5046



89.9212, 0.3079, 0.3734



57.0773, 0.3881, 0.4732



18.9488, 0.3071, 0.3815



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.



47.2929, 0.2982, 0.5046



73.5984, 0.2970, 0.5437



48.8447, 0.2662, 0.4085



13.2246, 0.3103, 0.3507



28.1544, 0.2980, 0.5928



1.5807, 0.2922, 0.5719

Inverse Universe

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



23.3970, 0.3329, 0.2014



31.9472, 0.3378, 0.1834



21.1961, 0.4172, 0.2665



11.9885, 0.3152, 0.3083



10.6261, 0.3466, 0.1683



0.6000, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 47.2909, 0.2982, 0.5046 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 47.2909, 0.2982, 0.5046 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 47.2909, 0.2982, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 47.2909, 0.2982, 0.5046.



This preview shows how white text looks on a background with the Yxy color 47.2909, 0.2982, 0.5046.

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

47.2909, 0.2982, 0.5046

Protanopia

46.5615, 0.4056, 0.4440

Deuteranopia

46.2588, 0.4180, 0.4092



Tritanopia

47.1281, 0.2472, 0.3080

Trichromacy



Original Color

47.2909, 0.2982, 0.5046



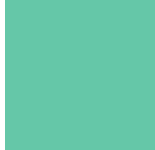
Protanomaly

45.2689, 0.3586, 0.4694



Deuteranomaly

44.2954, 0.3659, 0.4442



Tritanomaly

46.4407, 0.2659, 0.3758

Monochromacy



Original Color

47.2909, 0.2982, 0.5046



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1270, 0.3063, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2909, 0.2982, 0.5046 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(83, 207, 95)` looks like.

```
.text, #text, p{  
    color:rgb(83, 207, 95)  
}
```

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(83, 207, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 95) }
```

Border

The CSS property to change the border of an element to Yxy 47.2909, 0.2982, 0.5046 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(83, 207, 95) }
```

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

```
.border{ border-color:rgb(83, 207, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 207, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 95);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2909, 0.2982, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 95) }
```

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

```
.background{ background-color: rgb(83, 207,  
95) }
```

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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