

Converting Colors

Yxy(47.8303, 0.3197, 0.5047)

Have a look what the booklet for
Yxy(47.8303, 0.3197, 0.5047)
contains.

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Color

Yxy(47.8615, 0.3200, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	71CD57
RGB	113, 205, 87
RGB Percent	44%, 80%, 34%
CMY	0.5570, 0.1960, 0.6589
CMYK	0.45, 0.00, 0.58, 0.20
HSL	107°, 54%, 57%
HSV	107°, 58%, 80%
XYZ	30.3581, 47.8615, 16.6495
YIQ	164.0400, -16.9540, -56.2020

Conversions

Conversions Part 2

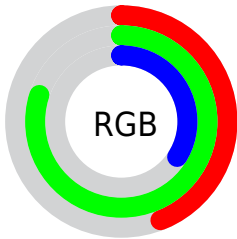
Format	Color
RYB	87, 205, 179
Decimal	7458135
CIELab	74.74, -49.33, 49.49
CIELCh	75, 69.878, 134.903
Yxy	47.8615, 0.3200, 0.5045
Android (android.graphics.Color)	4285648215 (0xFF71CD57)
YUV	164.0400, -37.9807, -44.7621
Hunter-Lab	69.1820, -42.7399, 34.1585

Details

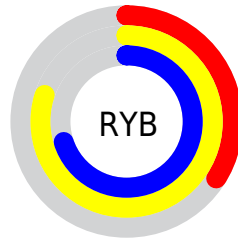
The Yxy color **47.8615, 0.3200, 0.5045** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **20.8066, 0.2900, 0.1827**, and the grayscale version is **37.3315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9595, 0.3231, 0.4640**, and **22.7068, 0.3132, 0.5598** is the 20% darker color. If you saturate the color by 10%, you get **46.6065, 0.3186, 0.5349**, and if you desaturate by 10%, it is **49.4024, 0.3203, 0.4715**.

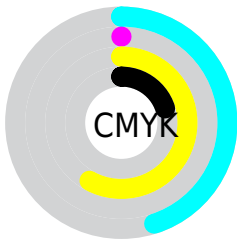
Distribution



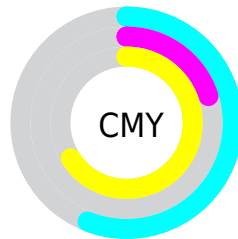
- Red (44%)
- Green (80%)
- Blue (34%)



- Red (34%)
- Yellow (80%)
- Blue (70%)



- Cyan (45%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)





- Cyan (56%)
- Magenta (20%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8615, 0.3200, 0.5045 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 47.8615, 0.3200, 0.5045 by changing the saturation by 10% instead.

 47.8615, 0.3200,
0.5045

 47.8615, 0.3200,
0.5045


378.2429, 0.3216,
0.4117


 33.7172, 0.3175,
0.5285


 86.9982, 0.3220,
0.4700

 22.6764, 0.3130,
0.5592


 112.7593, 0.3223,
0.4572

 14.3548, 0.3046,
0.5996

 143.1616, 0.3224,
0.4465

 8.3678, 0.2889,
0.6543

 178.5893, 0.3224,
0.4374

 4.3312, 0.2611,
0.7389

219.4269, 0.3222,
0.4296

 1.8605, 0.1570,
0.8430

266.0588, 0.3220,

 0.5245, 0.0000,

0.4228

1.0000

318.8693, 0.3218,
0.4169

0.0000, 0.0000,
0.0000

47.8615, 0.3200,
0.5045

47.8615, 0.3200,
0.5045

46.6065, 0.3186,
0.5349

49.4024, 0.3203,
0.4715

45.6133, 0.3161,
0.5606

51.2396, 0.3197,
0.4381

44.8635, 0.3126,
0.5797

53.3901, 0.3184,
0.4057

44.3315, 0.3086,
0.5916

55.8680, 0.3166,
0.3755

44.2282, 0.3078,
0.5938

58.6866, 0.3144,
0.3479

■ 61.8582, 0.3122,
0.3233

■ 65.3946, 0.3098,
0.3015

■ 69.3072, 0.3075,
0.2824

■ 72.1469, 0.3150,
0.2802

Harmonies

Analogous

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



47.8615, 0.4075, 0.4938



47.8615, 0.3200, 0.5045



47.8615, 0.2352, 0.4367

Triad

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



47.8615, 0.3200, 0.5045



47.8615, 0.1642, 0.1994



47.8615, 0.4662, 0.3042

Complementary

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



47.8615, 0.3200, 0.5045



20.8066, 0.2900, 0.1827

Split Complementary

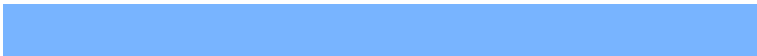
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.8615, 0.3786, 0.2471



47.8615, 0.3200, 0.5045



47.8615, 0.2059, 0.1893

Square

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



47.8615, 0.3200, 0.5045



47.8615, 0.1541, 0.2432



47.8615, 0.2804, 0.2066



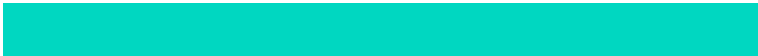
47.8615, 0.5017, 0.3692

Rectangle

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



47.8615, 0.3200, 0.5045



47.8615, 0.1922, 0.3641



47.8615, 0.2804, 0.2066



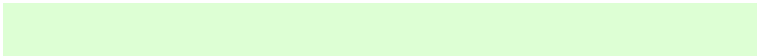
47.8615, 0.4411, 0.2839

Sweetspot

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



47.8635, 0.3200, 0.5045



91.6589, 0.3165, 0.3744



45.2978, 0.4126, 0.4376



19.4316, 0.3169, 0.3803



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.



47.8635, 0.3200, 0.5045



75.9228, 0.3181, 0.5413



47.0109, 0.2880, 0.4659



12.6541, 0.3148, 0.3527



27.5658, 0.3085, 0.5932



1.4566, 0.3224, 0.5822

Inverse Universe

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



20.8066, 0.2900, 0.1827



27.4563, 0.2830, 0.1578



22.8311, 0.3571, 0.2253



11.2743, 0.3103, 0.3059



7.4305, 0.2662, 0.1240



0.4150, 0.2774, 0.1302

Previews

White Background



This preview shows how the Yxy color 47.8615, 0.3200, 0.5045 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 47.8615, 0.3200, 0.5045 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 47.8615, 0.3200, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 47.8615, 0.3200, 0.5045.



This preview shows how white text looks on a background with the Yxy color 47.8615, 0.3200, 0.5045.

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

47.8615, 0.3200, 0.5045

Protanopia

47.1427, 0.4113, 0.4508

Deuteranopia

46.9639, 0.4264, 0.4173



Tritanopia

47.4042, 0.2606, 0.3072

Trichromacy



Original Color

47.8615, 0.3200, 0.5045



Protanomaly

46.4322, 0.3736, 0.4718



Deuteranomaly

45.6786, 0.3837, 0.4483



Tritanomaly

47.1249, 0.2836, 0.3773

Monochromacy



Original Color

47.8615, 0.3200, 0.5045



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.0375, 0.3173, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8615, 0.3200, 0.5045 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(113, 205, 87)` looks like.

```
.text, #text, p{  
    color:rgb(113, 205, 87)  
}
```

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(113, 205, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 205, 87) }
```

Border

The CSS property to change the border of an element to Yxy 47.8615, 0.3200, 0.5045 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(113, 205, 87) }
```

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

```
.border{ border-color:rgb(113, 205, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 205, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 205, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 205, 87);  
box-shadow:4px 4px 4px 4px rgb(113, 205,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8615, 0.3200, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 205, 87) }
```

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

```
.background{ background-color: rgb(113,  
205, 87) }
```

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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