

Converting Colors

$Yxy(48.1405, 0.3204, 0.4674)$

Have a look what the booklet for
Yxy(48.1405, 0.3204, 0.4674)
contains.

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Color

Yxy(47.9909, 0.3205, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	81CA6C
RGB	129, 202, 108
RGB Percent	51%, 79%, 42%
CMY	0.4942, 0.2078, 0.5765
CMYK	0.36, 0.00, 0.47, 0.21
HSL	107°, 47%, 61%
HSV	107°, 47%, 79%
XYZ	32.8796, 47.9909, 21.7180
YIQ	169.4570, -13.3340, -44.7100

Conversions

Conversions Part 2

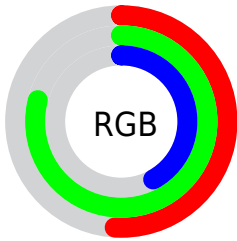
Format	Color
RYB	108, 202, 181
Decimal	8505964
CIELab	74.82, -40.47, 39.73
CIELCh	75, 56.711, 135.528
Yxy	47.9909, 0.3205, 0.4678
Android (android.graphics.Color)	4286696044 (0xFF81CA6C)
YUV	169.4570, -30.2983, -35.4808
Hunter-Lab	69.2755, -36.5122, 29.9053

Details

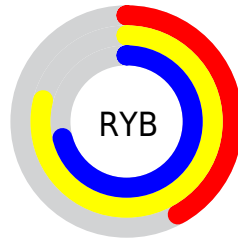
The Yxy color **47.9909, 0.3205, 0.4678** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.8165, 0.2955, 0.2090**, and the grayscale version is **40.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4075, 0.3217, 0.4366**, and **22.6688, 0.3175, 0.5105** is the 20% darker color. If you saturate the color by 10%, you get **46.4757, 0.3203, 0.5008**, and if you desaturate by 10%, it is **49.7985, 0.3198, 0.4345**.

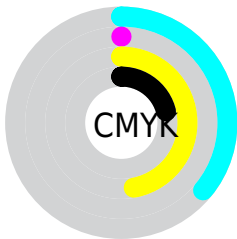
Distribution



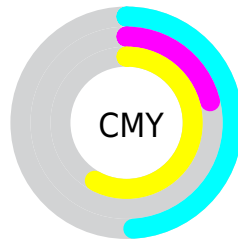
- Red (51%)
- Green (79%)
- Blue (42%)



- Red (42%)
- Yellow (79%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (21%)




- Cyan (49%)
- Magenta (21%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9909, 0.3205, 0.4678 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 47.9909, 0.3205, 0.4678 by changing the saturation by 10% instead.


 47.9909, 0.3205,
0.4678


 47.9909, 0.3205,
0.4678


378.7561, 0.3197,
0.3947


 33.8197, 0.3195,
0.4869


 87.1909, 0.3211,
0.4406

 22.7551, 0.3174,
0.5116

 112.9884, 0.3210,
0.4305

 14.4128, 0.3131,
0.5448


 143.4301, 0.3209,
0.4221

 8.4083, 0.3042,
0.5907

 178.9005, 0.3207,
0.4150

 4.3573, 0.2926,
0.6743

219.7839, 0.3204,
0.4088

 1.8754, 0.2335,
0.7665

266.4647, 0.3202,


 0.5335, 0.0000,


0.4035

1.0000


319.3273, 0.3200,
0.3989


 0.0000, 0.0000,
0.0000

 47.9909, 0.3205,
0.4678


 47.9909, 0.3205,
0.4678


 46.4757, 0.3203,
0.5008


 49.7985, 0.3198,
0.4345


 45.2313, 0.3191,
0.5316


 51.9067, 0.3183,
0.4023


 44.2425, 0.3167,
0.5579


 54.3309, 0.3164,
0.3724

 43.4900, 0.3133,
0.5777


 57.0837, 0.3142,
0.3452


 42.9509, 0.3093,
0.5903

 60.1769, 0.3119,
0.3209

 42.8039, 0.3080,
0.5936

 63.6217, 0.3095,
0.2994

 67.4289, 0.3072,
0.2806

 70.6318, 0.3148,
0.2771

 70.7237, 0.3151,
0.2772

Harmonies

Analogous

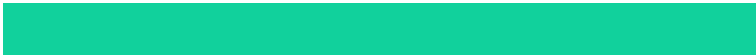
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9909, 0.3936, 0.4663



47.9909, 0.3205, 0.4678



47.9909, 0.2493, 0.4127

Triad

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



47.9909, 0.3205, 0.4678



47.9909, 0.1877, 0.2206



47.9909, 0.4384, 0.3117

Complementary

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



47.9909, 0.3205, 0.4678



24.8165, 0.2955, 0.2090

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.



47.9909, 0.3688, 0.2617



47.9909, 0.3205, 0.4678



47.9909, 0.2249, 0.2111

Square

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



47.9909, 0.3205, 0.4678



47.9909, 0.1786, 0.2591



47.9909, 0.2887, 0.2261



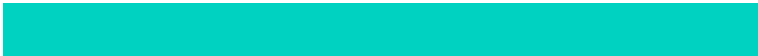
47.9909, 0.4680, 0.3684

Rectangle

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



47.9909, 0.3205, 0.4678



47.9909, 0.2126, 0.3568



47.9909, 0.2887, 0.2261



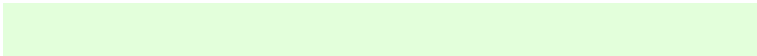
47.9909, 0.4184, 0.2939

Sweetspot

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



47.9929, 0.3205, 0.4678



93.0252, 0.3159, 0.3658



46.3117, 0.3926, 0.4189



19.7030, 0.3164, 0.3720



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.



47.9929, 0.3205, 0.4678



78.6310, 0.3203, 0.5016



47.1275, 0.2912, 0.4351



12.6557, 0.3149, 0.3527



27.5751, 0.3087, 0.5931



1.4574, 0.3227, 0.5820

Inverse Universe

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



24.8165, 0.2955, 0.2090



34.5592, 0.2901, 0.1845



26.4552, 0.3461, 0.2432



11.2725, 0.3103, 0.3059



7.3911, 0.2654, 0.1236



0.4132, 0.2768, 0.1299

Previews

White Background



This preview shows how the Yxy color 47.9909, 0.3205, 0.4678 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 47.9909, 0.3205, 0.4678 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 47.9909, 0.3205, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 47.9909, 0.3205, 0.4678.



This preview shows how white text looks on a background with the Yxy color 47.9909, 0.3205, 0.4678.

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

47.9909, 0.3205, 0.4678

Protanopia

47.2241, 0.3952, 0.4303

Deuteranopia

47.2699, 0.4078, 0.3995



Tritanopia

47.8288, 0.2688, 0.3088

Trichromacy



Original Color

47.9909, 0.3205, 0.4678



Protanomaly

46.9403, 0.3653, 0.4443



Deuteranomaly

46.5591, 0.3738, 0.4243



Tritanomaly

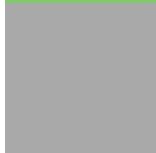
47.5079, 0.2884, 0.3646

Monochromacy



Original Color

47.9909, 0.3205, 0.4678



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.0244, 0.3164, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Xxy 47.9909, 0.3205, 0.4678 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(129, 202, 108)` looks like.

```
.text, #text, p{  
    color:rgb(129, 202, 108)  
}
```

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(129, 202, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 202, 108) }
```

Border

The CSS property to change the border of an element to Yxy 47.9909, 0.3205, 0.4678 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(129, 202, 108) }
```

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

```
.border{ border-color:rgb(129, 202, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 202, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 202, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 202, 108); box-shadow:4px 4px 4px 4px rgb(129, 202, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9909, 0.3205, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 202, 108) }
```

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

```
.background{ background-color: rgb(129,  
202, 108) }
```

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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