

Converting Colors

$Yxy(47.4017, 0.3147, 0.4703)$

Have a look what the booklet for
Yxy(47.4017, 0.3147, 0.4703)
contains.

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Color

Yxy(47.3887, 0.3147, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	79CA6C
RGB	121, 202, 108
RGB Percent	47%, 79%, 42%
CMY	0.5256, 0.2078, 0.5764
CMYK	0.40, 0.00, 0.47, 0.21
HSL	112°, 47%, 61%
HSV	112°, 47%, 79%
XYZ	31.7100, 47.3887, 21.6640
YIQ	167.0650, -18.1020, -46.4060

Conversions

Conversions Part 2

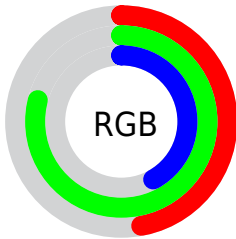
Format	Color
RYB	108, 202, 189
Decimal	7981676
CIELab	74.44, -43.04, 39.17
CIELCh	74, 58.192, 137.694
Yxy	47.3887, 0.3147, 0.4703
Android (android.graphics.Color)	4286171756 (0xFF79CA6C)
YUV	167.0650, -29.1190, -40.3990
Hunter-Lab	68.8395, -38.2453, 29.5289

Details

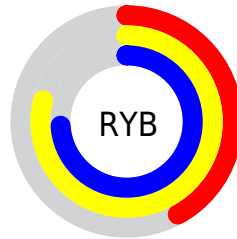
The Yxy color **47.3887, 0.3147, 0.4703** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.8147, 0.3041, 0.2120**, and the grayscale version is **38.8266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4403, 0.3168, 0.4382**, and **22.3312, 0.3099, 0.5148** is the 20% darker color. If you saturate the color by 10%, you get **45.8630, 0.3138, 0.5043**, and if you desaturate by 10%, it is **49.2452, 0.3150, 0.4360**.

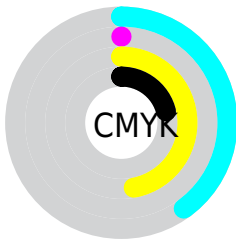
Distribution



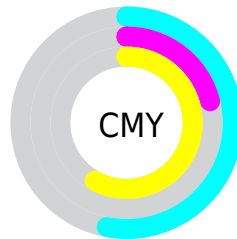
- Red (47%)
- Green (79%)
- Blue (42%)



- Red (42%)
- Yellow (79%)
- Blue (74%)



- Cyan (40%)
- Magenta (0%)
- Yellow (47%)
- Black (21%)




- Cyan (53%)
- Magenta (21%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3887, 0.3147, 0.4703 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 47.3887, 0.3147, 0.4703 by changing the saturation by 10% instead.


 47.3887, 0.3147,
0.4703


 47.3887, 0.3147,
0.4703


376.3639, 0.3169,
0.3955


 33.3430, 0.3129,
0.4900


 86.2935, 0.3164,
0.4423

 22.3894, 0.3098,
0.5156


 111.9215, 0.3167,
0.4320

 14.1433, 0.3042,
0.5502


 142.1790, 0.3169,
0.4234

 8.2204, 0.2934,
0.5984

 177.4505, 0.3170,
0.4161

 4.2363, 0.2790,
0.6873

218.1204, 0.3170,
0.4099

 1.8066, 0.2060,
0.7940

264.5730, 0.3170,

 0.4913, 0.0000,

0.4044

1.0000

317.1927, 0.3170,
0.3997

0.0000, 0.0000,
0.0000

47.3887, 0.3147,
0.4703

47.3887, 0.3147,
0.4703

45.8630, 0.3138,
0.5043

49.2452, 0.3150,
0.4360

44.6427, 0.3122,
0.5359

51.4440, 0.3148,
0.4031

43.7087, 0.3099,
0.5626


54.0035, 0.3142,
0.3727

43.0369, 0.3072,
0.5824

56.9390, 0.3134,
0.3453

42.5985, 0.3043,
0.5942

60.2649, 0.3124,
0.3209

 42.4897, 0.3035,
0.5972

 63.9948, 0.3113,
0.2996

 68.1417, 0.3101,
0.2810

 70.7247, 0.3151,
0.2772

Harmonies

Analogous

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



47.3887, 0.3903, 0.4721



47.3887, 0.3147, 0.4703



47.3887, 0.2426, 0.4096

Triad

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



47.3887, 0.3147, 0.4703



47.3887, 0.1863, 0.2160



47.3887, 0.4461, 0.3149

Complementary

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



47.3887, 0.3147, 0.4703



25.8147, 0.3041, 0.2120

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.



47.3887, 0.3763, 0.2632



47.3887, 0.3147, 0.4703



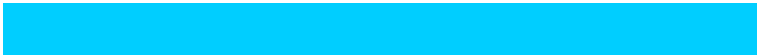
47.3887, 0.2263, 0.2084

Square

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



47.3887, 0.3147, 0.4703



47.3887, 0.1750, 0.2529



47.3887, 0.2935, 0.2255



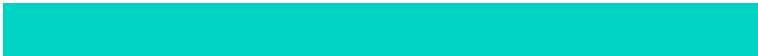
47.3887, 0.4727, 0.3731

Rectangle

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



47.3887, 0.3147, 0.4703



47.3887, 0.2064, 0.3511



47.3887, 0.2935, 0.2255



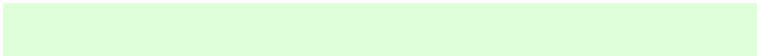
47.3887, 0.4265, 0.2966

Sweetspot

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



47.3907, 0.3147, 0.4703



92.5337, 0.3140, 0.3660



49.5674, 0.3883, 0.4274



19.5847, 0.3142, 0.3722



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.



47.3907, 0.3147, 0.4703



77.5920, 0.3138, 0.5051



47.3535, 0.2865, 0.4225



12.6099, 0.3136, 0.3528



27.3622, 0.3041, 0.5968



1.4363, 0.3144, 0.5886

Inverse Universe

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



25.8147, 0.3041, 0.2120



36.5654, 0.3011, 0.1891



26.1526, 0.3556, 0.2521



11.3222, 0.3116, 0.3060



8.5730, 0.2866, 0.1352



0.4644, 0.2937, 0.1392

Previews

White Background



This preview shows how the Yxy color 47.3887, 0.3147, 0.4703 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 47.3887, 0.3147, 0.4703 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 47.3887, 0.3147, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 47.3887, 0.3147, 0.4703.

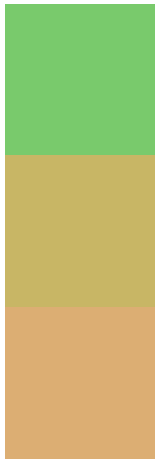


This preview shows how white text looks on a background with the Yxy color 47.3887, 0.3147, 0.4703.

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

47.3887, 0.3147, 0.4703

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

46.7256, 0.4074, 0.3987



Tritanopia

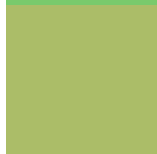
47.2068, 0.2642, 0.3085

Trichromacy



Original Color

47.3887, 0.3147, 0.4703



Protanomaly

46.0526, 0.3620, 0.4447



Deuteranomaly

45.6412, 0.3705, 0.4245



Tritanomaly

46.8380, 0.2829, 0.3651

Monochromacy



Original Color

47.3887, 0.3147, 0.4703



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.2019, 0.3138, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3887, 0.3147, 0.4703 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(121, 202, 108)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 202, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 202, 108) }
```

Border

The CSS property to change the border of an element to Yxy 47.3887, 0.3147, 0.4703 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(121, 202, 108) }
```

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

```
.border{ border-color:rgb(121, 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(121, 202, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 202, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 202, 108);  
box-shadow:4px 4px 4px 4px rgb(121, 202,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3887, 0.3147, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 202, 108) }
```

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

```
.background{ background-color: rgb(121,  
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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