

Converting Colors

$Yxy(47.1912, 0.3114, 0.4357)$

Have a look what the booklet for
Yxy(47.1912, 0.3114, 0.4357)
contains.

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Color

Yxy(47.2847, 0.3113, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	84C77F
RGB	132, 199, 127
RGB Percent	52%, 78%, 50%
CMY	0.4824, 0.2196, 0.5020
CMYK	0.34, 0.00, 0.36, 0.22
HSL	116°, 39%, 64%
HSV	116°, 36%, 78%
XYZ	33.7686, 47.2847, 27.4227
YIQ	170.7590, -16.8200, -36.5960

Conversions

Conversions Part 2

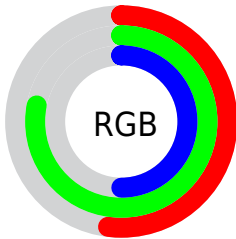
Format	Color
RYB	127, 199, 194
Decimal	8701823
CIELab	74.37, -35.40, 29.51
CIELCh	74, 46.089, 140.188
Yxy	47.2847, 0.3113, 0.4359
Android (android.graphics.Color)	4286891903 (0xFF84C77F)
YUV	170.7590, -21.5732, -33.9916
Hunter-Lab	68.7639, -32.6789, 24.4901

Details

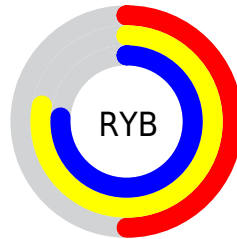
The Yxy color **47.2847, 0.3113, 0.4359** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.7709, 0.3118, 0.2389**, and the grayscale version is **40.7139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3801, 0.3129, 0.4142**, and **22.4489, 0.3078, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **45.4553, 0.3103, 0.4708**, and if you desaturate by 10%, it is **49.4856, 0.3120, 0.4025**.

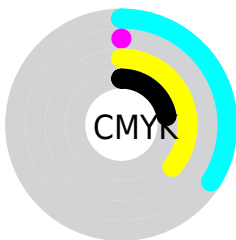
Distribution



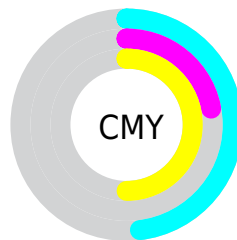
- Red (52%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (76%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2847, 0.3113, 0.4359 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 47.2847, 0.3113, 0.4359 by changing the saturation by 10% instead.


 47.2847, 0.3113,
0.4359


 47.2847, 0.3113,
0.4359


375.9498, 0.3138,
0.3797

 33.2608, 0.3100,
0.4507


 86.1384, 0.3127,
0.4149

 22.3263, 0.3080,
0.4702


 111.7370, 0.3130,
0.4071

 14.0969, 0.3044,
0.4967


 141.9627, 0.3133,
0.4007

 8.1881, 0.2979,
0.5346

177.1997, 0.3135,
0.3952

 4.2155, 0.2846,
0.5925

217.8325, 0.3136,
0.3905

 1.7948, 0.2653,
0.7347

264.2455, 0.3137,

 0.4840, 0.0000,

0.3864

1.0000

316.8232, 0.3137,
0.3828

0.0000, 0.0000,
0.0000

47.2847, 0.3113,
0.4359

47.2847, 0.3113,
0.4359

45.4553, 0.3103,
0.4708

49.4856, 0.3120,
0.4025

43.9714, 0.3089,
0.5056

52.0705, 0.3124,
0.3719

42.8128, 0.3073,
0.5378


55.0587, 0.3127,
0.3444

41.9551, 0.3054,
0.5649


58.4665, 0.3127,
0.3201

41.3702, 0.3035,
0.5846

62.3092, 0.3127,
0.2991

 41.0243, 0.3018,
0.5959

 66.6014, 0.3125,
0.2808

 40.9415, 0.3014,
0.5989

 69.3296, 0.3153,
0.2742

Harmonies

Analogous

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



47.2847, 0.3729, 0.4446



47.2847, 0.3113, 0.4359



47.2847, 0.2532, 0.3865

Triad

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



47.2847, 0.3113, 0.4359



47.2847, 0.2109, 0.2359



47.2847, 0.4216, 0.3234

Complementary

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



47.2847, 0.3113, 0.4359



30.7709, 0.3118, 0.2389

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.



47.2847, 0.3691, 0.2789



47.2847, 0.3113, 0.4359



47.2847, 0.2468, 0.2303

Square

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



47.2847, 0.3113, 0.4359



47.2847, 0.1994, 0.2658



47.2847, 0.3035, 0.2459



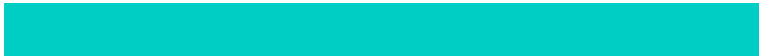
47.2847, 0.4406, 0.3723

Rectangle

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



47.2847, 0.3113, 0.4359



47.2847, 0.2242, 0.3419



47.2847, 0.3035, 0.2459



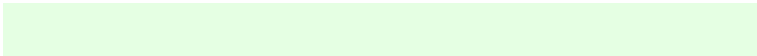
47.2847, 0.4071, 0.3077

Sweetspot

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



47.2867, 0.3113, 0.4359



93.7045, 0.3126, 0.3576



51.8171, 0.3690, 0.4116



19.9040, 0.3125, 0.3615



0.0000, 0.0000, 0.0000



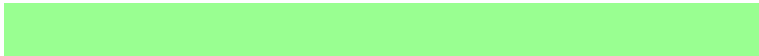
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2867, 0.3113, 0.4359



80.3439, 0.3106, 0.4618



47.7954, 0.2883, 0.3907



11.9224, 0.3126, 0.3528



26.3389, 0.3017, 0.5986



1.2597, 0.3078, 0.5938

Inverse Universe

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



30.7709, 0.3118, 0.2389



47.4225, 0.3112, 0.2212



30.1845, 0.3488, 0.2748



10.7777, 0.3127, 0.3062



9.3143, 0.3037, 0.1447



0.4525, 0.3075, 0.1468

Previews

White Background



This preview shows how the Yxy color 47.2847, 0.3113, 0.4359 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 47.2847, 0.3113, 0.4359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

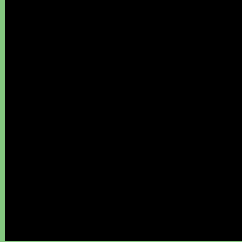
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2847, 0.3113, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 47.2847, 0.3113, 0.4359.



This preview shows how white text looks on a background with the Yxy color 47.2847, 0.3113, 0.4359.

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

47.2847, 0.3113, 0.4359

Protanopia

46.8177, 0.3783, 0.4080

Deuteranopia

46.5370, 0.3889, 0.3800



Tritanopia

47.3457, 0.2692, 0.3087

Trichromacy



Original Color

47.2847, 0.3113, 0.4359

Protanomaly

46.3952, 0.3513, 0.4178

Deuteranomaly

45.7930, 0.3576, 0.3997

Tritanomaly

46.9770, 0.2843, 0.3516

Monochromacy



Original Color

47.2847, 0.3113, 0.4359

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5824, 0.3127, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2847, 0.3113, 0.4359 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(132, 199, 127)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 127)  
}
```

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(132, 199, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 127) }
```

Border

The CSS property to change the border of an element to Yxy 47.2847, 0.3113, 0.4359 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(132, 199, 127) }
```

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

```
.border{ border-color:rgb(132, 199, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 199, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 127);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2847, 0.3113, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 127) }
```

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

```
.background{ background-color: rgb(132,  
199, 127) }
```

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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