

Converting Colors

$Yxy(46.8465, 0.2614, 0.3758)$

Have a look what the booklet for
Yxy(46.8465, 0.2614, 0.3758)
contains.

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Color

Yxy(47.0027, 0.2612, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	5DC9AA
RGB	93, 201, 170
RGB Percent	36%, 79%, 67%
CMY	0.6350, 0.2118, 0.3334
CMYK	0.54, 0.00, 0.15, 0.21
HSL	163°, 50%, 58%
HSV	163°, 54%, 79%
XYZ	32.6606, 47.0027, 45.3772
YIQ	165.1740, -54.4170, -32.5370

Conversions

Conversions Part 2

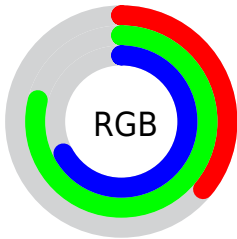
Format	Color
RYB	93, 156, 201
Decimal	6146474
CIELab	74.19, -38.54, 6.11
CIELCh	74, 39.025, 170.989
Yxy	47.0027, 0.2612, 0.3759
Android (android.graphics.Color)	4284336554 (0xFF5DC9AA)
YUV	165.1740, 2.3792, -63.2966
Hunter-Lab	68.5585, -34.9419, 8.7484

Details

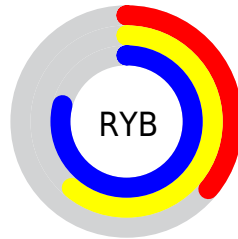
The Yxy color **47.0027, 0.2612, 0.3759** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.7143, 0.4221, 0.2896**, and the grayscale version is **37.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5356, 0.2704, 0.3636**, and **22.0724, 0.2461, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **45.8754, 0.2557, 0.3865**, and if you desaturate by 10%, it is **48.4190, 0.2684, 0.3658**.

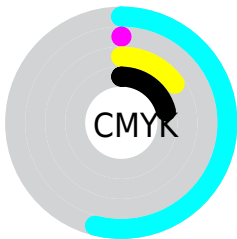
Distribution



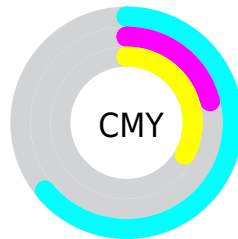
- Red (36%)
- Green (79%)
- Blue (67%)



- Red (36%)
- Yellow (61%)
- Blue (79%)



- Cyan (54%)
- Magenta (0%)
- Yellow (15%)
- Black (21%)




- Cyan (64%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0027, 0.2612, 0.3759 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 47.0027, 0.2612, 0.3759 by changing the saturation by 10% instead.


 47.0027, 0.2612,
0.3759

 47.0027, 0.2612,
0.3759


374.8253, 0.2871,
0.3519


 33.0378, 0.2547,
0.3821


 85.7177, 0.2706,
0.3670


 22.1554, 0.2463,
0.3901


 111.2365, 0.2742,
0.3638

 13.9711, 0.2352,
0.4009


 141.3754, 0.2772,
0.3610

 8.1006, 0.2197,
0.4164

 176.5188, 0.2797,
0.3586

 4.1594, 0.1966,
0.4401

217.0511, 0.2819,
0.3566

 1.7631, 0.1519,
0.4850

263.3567, 0.2839,

 0.4640, 0.0000,

0.3548

0.8562

315.8200, 0.2856,
0.3533

0.0000, 0.0000,
0.0000

47.0027, 0.2612,
0.3759

47.0027, 0.2612,
0.3759

45.8754, 0.2557,
0.3865

48.4190, 0.2684,
0.3658

45.0092, 0.2521,
0.3973

50.1385, 0.2770,
0.3562

44.3805, 0.2504,
0.4082

52.1811, 0.2868,
0.3473

43.9584, 0.2507,
0.4190

54.5634, 0.2974,
0.3390

43.7630, 0.2516,
0.4257

57.3008, 0.3085,
0.3316

■ 60.4077, 0.3199,
0.3249

■ 63.8979, 0.3315,
0.3189

■ 67.7843, 0.3429,
0.3136

■ 68.3036, 0.3394,
0.3078

Harmonies

Analogous

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



47.0027, 0.3110, 0.4175



47.0027, 0.2612, 0.3759



47.0027, 0.2270, 0.3208

Triad

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



47.0027, 0.2612, 0.3759



47.0027, 0.2575, 0.2436



47.0027, 0.4215, 0.3690

Complementary

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



47.0027, 0.2612, 0.3759



21.7143, 0.4221, 0.2896

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.



47.0027, 0.4058, 0.3263



47.0027, 0.2612, 0.3759



47.0027, 0.3068, 0.2576

Square

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



47.0027, 0.2612, 0.3759



47.0027, 0.2253, 0.2486



47.0027, 0.3622, 0.2870



47.0027, 0.4050, 0.4066

Rectangle

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



47.0027, 0.2612, 0.3759



47.0027, 0.2162, 0.2882



47.0027, 0.3622, 0.2870



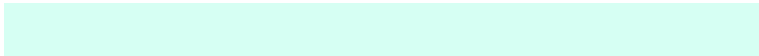
47.0027, 0.4199, 0.3548

Sweetspot

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



47.0046, 0.2612, 0.3759



92.3343, 0.2946, 0.3410



46.9570, 0.3265, 0.4885



19.5773, 0.2924, 0.3427



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.



47.0046, 0.2612, 0.3759



78.3450, 0.2551, 0.3877



38.9526, 0.2380, 0.2966



12.0136, 0.3021, 0.3357



27.5339, 0.2512, 0.4242



1.3158, 0.2450, 0.4018

Inverse Universe

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



21.7143, 0.4221, 0.2896



30.7344, 0.4599, 0.2845



25.3908, 0.4521, 0.3570



10.6862, 0.3245, 0.3224



8.0119, 0.5784, 0.2960



0.3922, 0.5173, 0.2623

Previews

White Background



This preview shows how the Yxy color 47.0027, 0.2612, 0.3759 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 47.0027, 0.2612, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

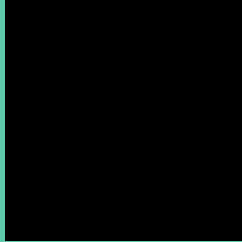
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0027, 0.2612, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 47.0027, 0.2612, 0.3759.

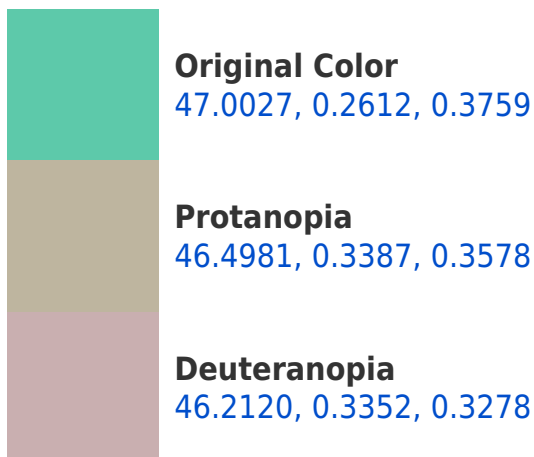


This preview shows how white text looks on a background with the Yxy color 47.0027, 0.2612, 0.3759.

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





Tritanopia

46.7975, 0.2437, 0.3064

Trichromacy



Original Color

47.0027, 0.2612, 0.3759



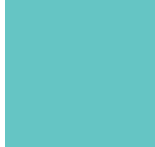
Protanomaly

45.5793, 0.3046, 0.3643



Deuteranomaly

45.0184, 0.3021, 0.3428



Tritanomaly

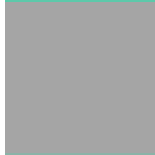
46.6847, 0.2497, 0.3303

Monochromacy



Original Color

47.0027, 0.2612, 0.3759



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.1198, 0.2887, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0027, 0.2612, 0.3759 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(93, 201, 170)` looks like.

```
.text, #text, p{  
    color:rgb(93, 201, 170)  
}
```

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(93, 201, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 201, 170) }
```

Border

The CSS property to change the border of an element to Yxy 47.0027, 0.2612, 0.3759 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(93, 201, 170) }
```

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

```
.border{ border-color:rgb(93, 201, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 201, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 201, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 201, 170);  
box-shadow:4px 4px 4px 4px rgb(93, 201,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0027, 0.2612, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 201, 170) }
```

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

```
.background{ background-color: rgb(93, 201,  
170) }
```

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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