

Converting Colors

$Y_{xy}(48.5014, 0.2619, 0.3950)$

Have a look what the booklet for
Yxy(48.5014, 0.2619, 0.3950)
contains.

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Color

Yxy(48.6260, 0.2617, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	53CEA3
RGB	83, 206, 163
RGB Percent	33%, 81%, 64%
CMY	0.6750, 0.1921, 0.3608
CMYK	0.60, 0.00, 0.21, 0.19
HSL	159°, 56%, 57%
HSV	159°, 60%, 81%
XYZ	32.2408, 48.6260, 42.3306
YIQ	164.3210, -59.5050, -39.4490

Conversions

Conversions Part 2

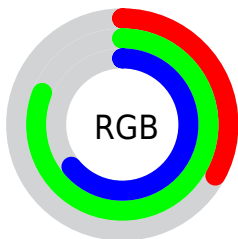
Format	Color
RYB	83, 158, 206
Decimal	5492387
CIELab	75.22, -44.48, 11.30
CIELCh	75, 45.890, 165.741
Yxy	48.6260, 0.2617, 0.3947
Android (android.graphics.Color)	4283682467 (0xFF53CEA3)
YUV	164.3210, -0.6513, -71.3185
Hunter-Lab	69.7323, -39.5021, 12.8210

Details

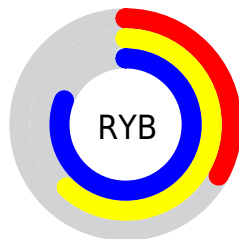
The Yxy color **48.6260, 0.2617, 0.3947** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.7971, 0.4300, 0.2768**, and the grayscale version is **37.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4216, 0.2700, 0.3725**, and **23.2809, 0.2488, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **47.5767, 0.2578, 0.4080**, and if you desaturate by 10%, it is **49.9720, 0.2674, 0.3818**.

Distribution



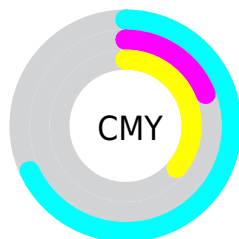
- Red (33%)
- Green (81%)
- Blue (64%)



- Red (33%)
- Yellow (62%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (21%)
- Black (19%)




- Cyan (68%)
- Magenta (19%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6260, 0.2617, 0.3947 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 48.6260, 0.2617, 0.3947 by changing the saturation by 10% instead.


 48.6260, 0.2617,
0.3947


 48.6260, 0.2617,
0.3947


381.2681, 0.2876,
0.3607


 34.3229, 0.2551,
0.4035


 88.1357, 0.2712,
0.3821


 23.1418, 0.2467,
0.4151


 114.1111, 0.2747,
0.3774

 14.6982, 0.2353,
0.4308


 144.7461, 0.2777,
0.3735

 8.6079, 0.2194,
0.4533

 180.4250, 0.2802,
0.3702

 4.4863, 0.1955,
0.4883

221.5323, 0.2825,
0.3674

 1.9491, 0.1468,
0.5551

268.4523, 0.2844,

 0.5777, 0.0000,

0.3649

1.0000

321.5694, 0.2861,
0.3627

■ 0.0000, 0.0000,
0.0000

■ 48.6260, 0.2617,
0.3947

■ 48.6260, 0.2617,
0.3947

■ 47.5767, 0.2578,
0.4080

■ 49.9720, 0.2674,
0.3818

■ 46.7927, 0.2559,
0.4216

■ 51.6317, 0.2746,
0.3695

■ 46.2453, 0.2561,
0.4350

■ 53.6271, 0.2831,
0.3579

■ 45.8799, 0.2579,
0.4482

■ 55.9771, 0.2925,
0.3473

■ 45.8722, 0.2579,
0.4485

■ 58.6987, 0.3025,
0.3376

■ 61.8081, 0.3130,
0.3288

■ 65.3203, 0.3235,
0.3210

■ 69.2496, 0.3341,
0.3140

■ 70.9995, 0.3344,
0.3071

Harmonies

Analogous

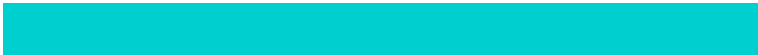
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.6260, 0.3206, 0.4383



48.6260, 0.2617, 0.3947



48.6260, 0.2192, 0.3297

Triad

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



48.6260, 0.2617, 0.3947



48.6260, 0.2409, 0.2309



48.6260, 0.4386, 0.3648

Complementary

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



48.6260, 0.2617, 0.3947



20.7971, 0.4300, 0.2768

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.



48.6260, 0.4142, 0.3166



48.6260, 0.2617, 0.3947



48.6260, 0.2944, 0.2434

Square

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



48.6260, 0.2617, 0.3947



48.6260, 0.2089, 0.2399



48.6260, 0.3590, 0.2738



48.6260, 0.4247, 0.4104

Rectangle

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



48.6260, 0.2617, 0.3947



48.6260, 0.2043, 0.2898



48.6260, 0.3590, 0.2738



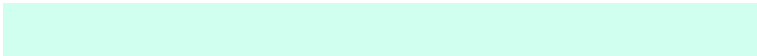
48.6260, 0.4347, 0.3486

Sweetspot

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



48.6279, 0.2617, 0.3947



91.3196, 0.2940, 0.3457



49.2071, 0.3309, 0.5052



19.2871, 0.2911, 0.3487



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.



48.6279, 0.2617, 0.3947



76.6294, 0.2570, 0.4123



42.0636, 0.2337, 0.3016



12.6579, 0.3029, 0.3372



28.2607, 0.2574, 0.4466



1.4720, 0.2502, 0.4207

Inverse Universe

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



20.7971, 0.4300, 0.2768



27.5826, 0.4725, 0.2719



23.1232, 0.4820, 0.3515



11.2773, 0.3236, 0.3209



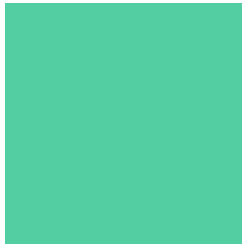
8.3847, 0.5559, 0.2836



0.4468, 0.5011, 0.2534

Previews

White Background



This preview shows how the Yxy color 48.6260, 0.2617, 0.3947 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 48.6260, 0.2617, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

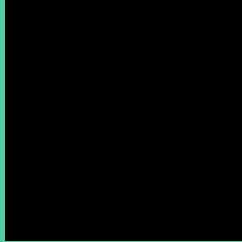
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6260, 0.2617, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 48.6260, 0.2617, 0.3947.



This preview shows how white text looks on a background with the Yxy color 48.6260, 0.2617, 0.3947.

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

48.6260, 0.2617, 0.3947

Protanopia

47.6033, 0.3477, 0.3691

Deuteranopia

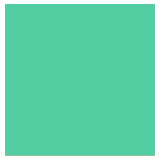
47.5743, 0.3464, 0.3390



Tritanopia

48.5198, 0.2405, 0.3067

Trichromacy



Original Color

48.6260, 0.2617, 0.3947



Protanomaly

46.5319, 0.3088, 0.3785



Deuteranomaly

46.4378, 0.3073, 0.3580



Tritanomaly

48.6063, 0.2479, 0.3375

Monochromacy



Original Color

48.6260, 0.2617, 0.3947



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.0714, 0.2878, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6260, 0.2617, 0.3947 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(83, 206, 163)` looks like.

```
.text, #text, p{  
    color:rgb(83, 206, 163)  
}
```

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(83, 206, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 206, 163) }
```

Border

The CSS property to change the border of an element to Yxy 48.6260, 0.2617, 0.3947 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(83, 206, 163) }
```

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

```
.border{ border-color:rgb(83, 206, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 206, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 206, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 206, 163);  
box-shadow:4px 4px 4px 4px rgb(83, 206,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6260, 0.2617, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 206, 163) }
```

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

```
.background{ background-color: rgb(83, 206,  
163) }
```

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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