

Converting Colors

$Y_{xy}(49.1475, 0.2623, 0.3915)$

Have a look what the booklet for
Yxy(49.1475, 0.2623, 0.3915)
contains.

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Color

Yxy(49.3685, 0.2626, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	57CFA5
RGB	87, 207, 165
RGB Percent	34%, 81%, 65%
CMY	0.6591, 0.1882, 0.3530
CMYK	0.58, 0.00, 0.20, 0.19
HSL	159°, 56%, 58%
HSV	159°, 58%, 81%
XYZ	33.0297, 49.3685, 43.3814
YIQ	166.3320, -58.0380, -38.5020

Conversions

Conversions Part 2

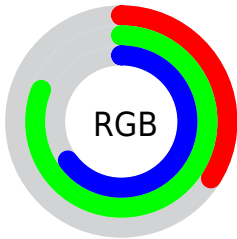
Format	Color
RYB	87, 160, 207
Decimal	5754789
CIELab	75.68, -43.65, 10.90
CIELCh	76, 44.986, 165.976
Yxy	49.3685, 0.2626, 0.3925
Android (android.graphics.Color)	4283944869 (0xFF57CFA5)
YUV	166.3320, -0.6567, -69.5742
Hunter-Lab	70.2627, -39.0489, 12.5773

Details

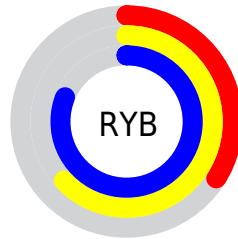
The Yxy color **49.3685, 0.2626, 0.3925** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.6573, 0.4246, 0.2779**, and the grayscale version is **38.3195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7983, 0.2704, 0.3699**, and **23.6616, 0.2483, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **48.2573, 0.2584, 0.4058**, and if you desaturate by 10%, it is **50.7841, 0.2686, 0.3796**.

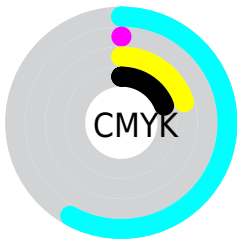
Distribution



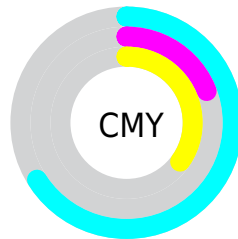
- Red (34%)
- Green (81%)
- Blue (65%)



- Red (34%)
- Yellow (63%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)





- Cyan (66%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3685, 0.2626, 0.3925 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 49.3685, 0.2626, 0.3925 by changing the saturation by 10% instead.


 49.3685, 0.2626,
0.3925

 49.3685, 0.2626,
0.3925


384.1912, 0.2879,
0.3598


 34.9119, 0.2562,
0.4010


 89.2385, 0.2719,
0.3804


 23.5950, 0.2480,
0.4120


 115.4207, 0.2753,
0.3759

 15.0335, 0.2370,
0.4270


 146.2802, 0.2782,
0.3722

 8.8429, 0.2216,
0.4484

 182.2014, 0.2807,
0.3690

 4.6388, 0.1986,
0.4814

223.5687, 0.2829,
0.3662

 2.0370, 0.1555,
0.5419

270.7665, 0.2848,

 0.6288, 0.0000,

0.3638

1.0000

324.1792, 0.2865,
0.3617

■ 0.0000, 0.0000,
0.0000

■ 49.3685, 0.2626,
0.3925

■ 49.3685, 0.2626,
0.3925

■ 48.2573, 0.2584,
0.4058

■ 50.7841, 0.2686,
0.3796

■ 47.4193, 0.2562,
0.4193

■ 52.5207, 0.2760,
0.3674

■ 46.8265, 0.2559,
0.4328

■ 54.6004, 0.2847,
0.3560

■ 46.4355, 0.2576,
0.4461

■ 57.0419, 0.2942,
0.3455

■ 46.3680, 0.2580,
0.4487

■ 59.8623, 0.3044,
0.3360

■ 63.0778, 0.3148,
0.3274

■ 66.7034, 0.3254,
0.3197

■ 70.7534, 0.3359,
0.3129

■ 71.6146, 0.3325,
0.3058

Harmonies

Analogous

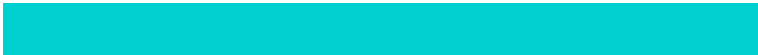
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3685, 0.3202, 0.4352



49.3685, 0.2626, 0.3925



49.3685, 0.2211, 0.3293

Triad

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



49.3685, 0.2626, 0.3925



49.3685, 0.2429, 0.2330



49.3685, 0.4356, 0.3647

Complementary

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



49.3685, 0.2626, 0.3925



21.6573, 0.4246, 0.2779

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.



49.3685, 0.4120, 0.3174



49.3685, 0.2626, 0.3925



49.3685, 0.2954, 0.2454

Square

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



49.3685, 0.2626, 0.3925



49.3685, 0.2113, 0.2417



49.3685, 0.3584, 0.2754



49.3685, 0.4219, 0.4091

Rectangle

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



49.3685, 0.2626, 0.3925



49.3685, 0.2066, 0.2905



49.3685, 0.3584, 0.2754



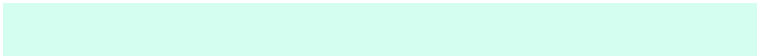
49.3685, 0.4318, 0.3488

Sweetspot

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



49.3705, 0.2626, 0.3925



91.7463, 0.2950, 0.3447



49.9822, 0.3309, 0.5000



19.4548, 0.2930, 0.3468



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.



49.3705, 0.2626, 0.3925



76.9066, 0.2576, 0.4096



42.9240, 0.2353, 0.3026



13.3339, 0.3029, 0.3373



29.2290, 0.2575, 0.4469



1.6490, 0.2507, 0.4226

Inverse Universe

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



21.6573, 0.4246, 0.2779



28.3611, 0.4656, 0.2722



24.0470, 0.4746, 0.3512



11.8756, 0.3236, 0.3209



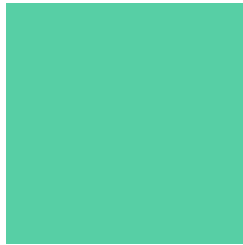
8.6725, 0.5560, 0.2837



0.4998, 0.5046, 0.2553

Previews

White Background



This preview shows how the Yxy color 49.3685, 0.2626, 0.3925 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 49.3685, 0.2626, 0.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

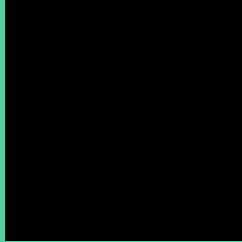
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

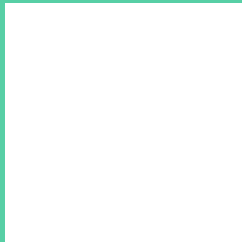
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3685, 0.2626, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 49.3685, 0.2626, 0.3925.

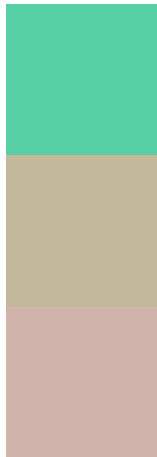


This preview shows how white text looks on a background with the Yxy color 49.3685, 0.2626, 0.3925.

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

49.3685, 0.2626, 0.3925

Protanopia

48.6331, 0.3465, 0.3688

Deuteranopia

48.5904, 0.3451, 0.3389



Tritanopia

49.2095, 0.2416, 0.3068

Trichromacy



Original Color

49.3685, 0.2626, 0.3925



Protanomaly

47.6765, 0.3088, 0.3780



Deuteranomaly

47.1523, 0.3074, 0.3564



Tritanomaly

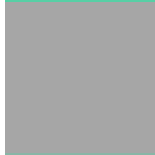
49.3398, 0.2494, 0.3374

Monochromacy



Original Color

49.3685, 0.2626, 0.3925



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.1193, 0.2880, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3685, 0.2626, 0.3925 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(87, 207, 165)` looks like.

```
.text, #text, p{  
    color:rgb(87, 207, 165)  
}
```

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(87, 207, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 207, 165) }
```

Border

The CSS property to change the border of an element to Yxy 49.3685, 0.2626, 0.3925 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(87, 207, 165) }
```

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

```
.border{ border-color:rgb(87, 207, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 207, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 207, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 207, 165);  
box-shadow:4px 4px 4px 4px rgb(87, 207,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3685, 0.2626, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 207, 165) }
```

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

```
.background{ background-color: rgb(87, 207,  
165) }
```

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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