

# Converting Colors

$Y_{xy}(49.2240, 0.2565, 0.3643)$

Have a look what the booklet for  
Yxy(49.2240, 0.2565, 0.3643)  
contains.

<b>Yxy(49.3785, 0.2566, 0.3642)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.3785, 0.2566, 0.3642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ECDB5
RGB	94, 205, 181
RGB Percent	37%, 80%, 71%
CMY	0.6312, 0.1961, 0.2902
CMYK	0.54, 0.00, 0.12, 0.20
HSL	167°, 53%, 59%
HSV	167°, 54%, 80%
XYZ	34.7900, 49.3785, 51.4122
YIQ	169.0750, -58.4520, -30.9960

# Conversions

## Conversions Part 2

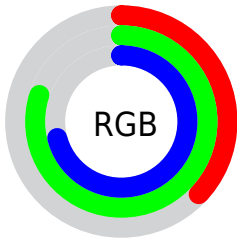
Format	Color
<b>RYB</b>	94, 156, 205
Decimal	6213045
CIELab	75.69, -37.53, 2.34
CIELCh	76, 37.608, 176.432
Yxy	49.3785, 0.2566, 0.3642
Android (android.graphics.Color)	4284403125 (0xFF5ECDB5)
YUV	169.0750, 5.8790, -65.8408
Hunter-Lab	70.2698, -34.5983, 5.8100

# Details

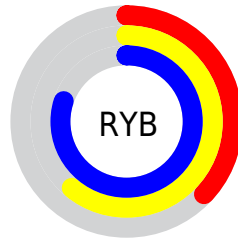
The Yxy color **49.3785, 0.2566, 0.3642** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **22.2995, 0.4356, 0.2993**, and the grayscale version is **39.7121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3098, 0.2652, 0.3494**, and **23.5654, 0.2413, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **48.2572, 0.2506, 0.3720**, and if you desaturate by 10%, it is **50.7972, 0.2643, 0.3567**.

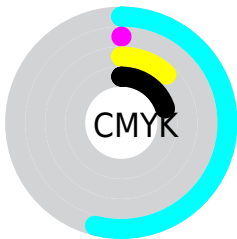
# Distribution



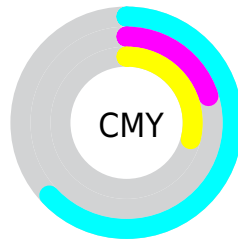
- Red (37%)
- Green (80%)
- Blue (71%)



- Red (37%)
- Yellow (61%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (63%)
- Magenta (20%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3785, 0.2566, 0.3642 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 49.3785, 0.2566, 0.3642 by changing the saturation by 10% instead.





 49.3785, 0.2566,  
0.3642

 49.3785, 0.2566,  
0.3642


384.2305, 0.2843,  
0.3466

 34.9198, 0.2498,  
0.3686


 89.2534, 0.2666,  
0.3578

 23.6011, 0.2411,  
0.3742


 115.4383, 0.2704,  
0.3554

 15.0380, 0.2298,  
0.3816


 146.3008, 0.2736,  
0.3534

 8.8461, 0.2142,  
0.3919

 182.2253, 0.2763,  
0.3517

 4.6409, 0.1916,  
0.4071

223.5961, 0.2787,  
0.3502

 2.0382, 0.1556,  
0.4320

270.7976, 0.2808,

 0.6295, 0.0000,

0.3488

0.5468

324.2143, 0.2827,  
0.3477

0.0000, 0.0000,  
0.0000

49.3785, 0.2566,  
0.3642

49.3785, 0.2566,  
0.3642

48.2572, 0.2506,  
0.3720

50.7972, 0.2643,  
0.3567

47.4042, 0.2465,  
0.3799

52.5284, 0.2736,  
0.3496

46.7944, 0.2444,  
0.3878

54.5929, 0.2841,  
0.3429

46.3950, 0.2441,  
0.3957

57.0081, 0.2955,  
0.3368

46.2240, 0.2446,  
0.4004

59.7902, 0.3076,  
0.3312

■ 62.9543, 0.3201,  
0.3261

■ 66.5148, 0.3327,  
0.3215

■ 69.9051, 0.3429,  
0.3174

■ 70.1382, 0.3396,  
0.3130

# Harmonies

## Analogous

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



49.3785, 0.3022, 0.4073



49.3785, 0.2566, 0.3642



49.3785, 0.2274, 0.3125

# Triad

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



49.3785, 0.2566, 0.3642



49.3785, 0.2678, 0.2488



49.3785, 0.4152, 0.3746

# Complementary

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



49.3785, 0.2566, 0.3642



22.2995, 0.4356, 0.2993

# 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.



49.3785, 0.4059, 0.3341



49.3785, 0.2566, 0.3642



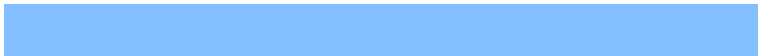
49.3785, 0.3168, 0.2651

# Square

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



49.3785, 0.2566, 0.3642



49.3785, 0.2336, 0.2502



49.3785, 0.3686, 0.2954



49.3785, 0.3948, 0.4081



# Rectangle

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



49.3785, 0.2566, 0.3642



49.3785, 0.2197, 0.2833



49.3785, 0.3686, 0.2954



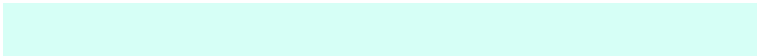
49.3785, 0.4156, 0.3614

# Sweetspot

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



49.3804, 0.2566, 0.3642



92.5108, 0.2931, 0.3380



48.3285, 0.3199, 0.4935



19.6197, 0.2907, 0.3393



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.



49.3804, 0.2566, 0.3642



78.7786, 0.2498, 0.3733



36.8916, 0.2346, 0.2820



12.6839, 0.3012, 0.3341



28.7906, 0.2442, 0.3992



1.4959, 0.2400, 0.3838



# Inverse Universe

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



22.2995, 0.4356, 0.2993



29.9297, 0.4800, 0.2960



28.5756, 0.4466, 0.3689



11.2527, 0.3257, 0.3240



8.2065, 0.6012, 0.3086

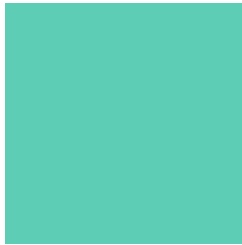


0.4350, 0.5455, 0.2779



# Previews

## White Background



This preview shows how the Yxy color 49.3785, 0.2566, 0.3642 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 49.3785, 0.2566, 0.3642 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

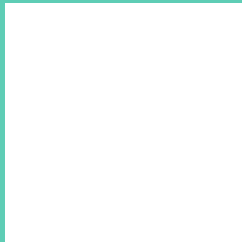
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.3785, 0.2566, 0.3642**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3785, 0.2566, 0.3642.

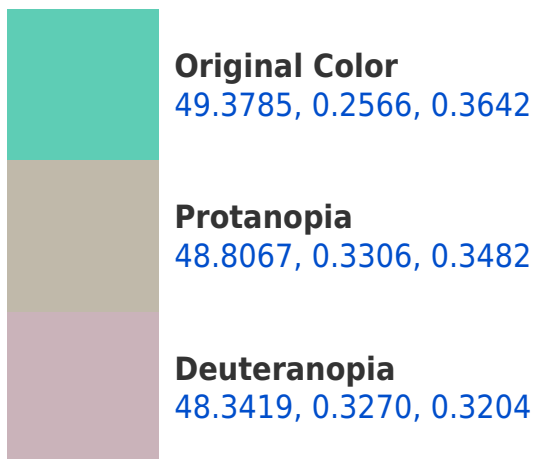


This preview shows how white text looks on a background with the Yxy color 49.3785, 0.2566, 0.3642.

# 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

49.3306, 0.2426, 0.3069

# Trichromacy



## Original Color

49.3785, 0.2566, 0.3642



## Protanomaly

47.8232, 0.2974, 0.3538



## Deuteranomaly

47.2137, 0.2956, 0.3343



## Tritanomaly

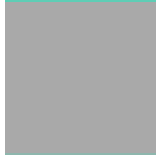
49.3776, 0.2478, 0.3274

# Monochromacy



## Original Color

49.3785, 0.2566, 0.3642



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

42.2238, 0.2869, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3785, 0.2566, 0.3642 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(94, 205, 181)` looks like.

```
.text, #text, p{  
    color:rgb(94, 205, 181)  
}
```

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(94, 205, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 205, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3785, 0.2566, 0.3642 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(94, 205, 181) }
```

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

```
.border{ border-color:rgb(94, 205, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 205, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 205, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 205, 181);  
box-shadow:4px 4px 4px 4px rgb(94, 205,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3785, 0.2566, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 205, 181) }
```

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

```
.background{ background-color: rgb(94, 205,  
181) }
```

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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