

# Converting Colors

$Yxy(49.8510, 0.2754, 0.3646)$

Have a look what the booklet for  
Yxy(49.8510, 0.2754, 0.3646)  
contains.

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# Color

**Yxy(49.8510, 0.2754, 0.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ECAB1
RGB	126, 202, 177
RGB Percent	49%, 79%, 69%
CMY	0.5060, 0.2078, 0.3060
CMYK	0.38, 0.00, 0.12, 0.21
HSL	160°, 42%, 64%
HSV	160°, 38%, 79%
XYZ	37.6549, 49.8510, 49.2221
YIQ	176.4260, -37.2710, -23.8870

# Conversions

## Conversions Part 2

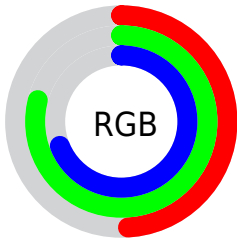
Format	Color
<a href="#">RYB</a>	<a href="#">126, 171, 202</a>
Decimal	<a href="#">8309425</a>
CIELab	<a href="#">75.98, -29.23, 5.09</a>
CIELCh	<a href="#">76, 29.671, 170.129</a>
Yxy	<a href="#">49.8510, 0.2754, 0.3646</a>
Android (android.graphics.Color)	<a href="#">4286499505</a> ( <a href="#">0xFF7ECAB1</a> )
YUV	<a href="#">176.4260, 0.2830, -44.2236</a>
Hunter-Lab	<a href="#">70.6052, -28.3624, 8.0900</a>

# Details

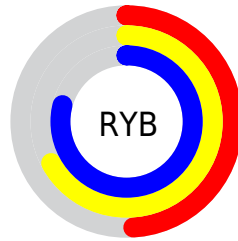
The Yxy color **49.8510, 0.2754, 0.3646** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.7052, 0.3735, 0.2966**, and the grayscale version is **43.6594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2269, 0.2815, 0.3531**, and **24.0128, 0.2652, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **48.2111, 0.2677, 0.3760**, and if you desaturate by 10%, it is **51.8179, 0.2843, 0.3540**.

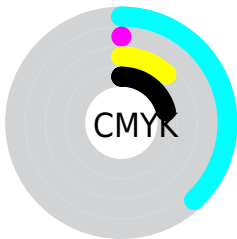
# Distribution



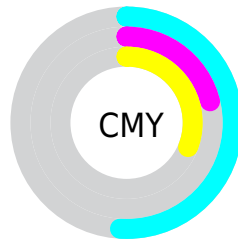
- Red (49%)
- Green (79%)
- Blue (69%)



- Red (49%)
- Yellow (67%)
- Blue (79%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8510, 0.2754, 0.3646 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 49.8510, 0.2754, 0.3646 by changing the saturation by 10% instead.





 49.8510, 0.2754,  
0.3646

 49.8510, 0.2754,  
0.3646


386.0830, 0.2940,  
0.3466

 35.2950, 0.2708,  
0.3691


 89.9541, 0.2821,  
0.3580

 23.8902, 0.2649,  
0.3750


 116.2700, 0.2847,  
0.3556

 15.2522, 0.2570,  
0.3829


 147.2746, 0.2868,  
0.3535

 8.9966, 0.2461,  
0.3939

183.3524, 0.2887,  
0.3517

 4.7390, 0.2300,  
0.4106

224.8877, 0.2903,  
0.3502

 2.0949, 0.2040,  
0.4387

272.2650, 0.2917,

 0.6618, 0.0000,

0.3489

0.6446

325.8686, 0.2929,  
0.3477

0.0000, 0.0000,  
0.0000

49.8510, 0.2754,  
0.3646

49.8510, 0.2754,  
0.3646

48.2111, 0.2677,  
0.3760

51.8179, 0.2843,  
0.3540

46.8731, 0.2615,  
0.3880

54.1232, 0.2941,  
0.3442

45.8181, 0.2570,  
0.4004


56.7849, 0.3045,  
0.3352

45.0224, 0.2545,  
0.4130


59.8181, 0.3153,  
0.3272

44.4582, 0.2540,  
0.4256

63.2371, 0.3261,  
0.3200


 44.0858, 0.2554,  
0.4380

 67.0552, 0.3370,  
0.3136

 44.0104, 0.2558,  
0.4410

 68.8625, 0.3380,  
0.3073

 69.2294, 0.3330,  
0.3007

 69.6105, 0.3281,  
0.2943

# Harmonies

## Analogous

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



49.8510, 0.3136, 0.3940



49.8510, 0.2754, 0.3646



49.8510, 0.2483, 0.3250

# Triad

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



49.8510, 0.2754, 0.3646



49.8510, 0.2703, 0.2635



49.8510, 0.3938, 0.3600

# Complementary

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



49.8510, 0.2754, 0.3646



29.7052, 0.3735, 0.2966

# 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.



49.8510, 0.3812, 0.3271



49.8510, 0.2754, 0.3646



49.8510, 0.3076, 0.2737

# Square

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



49.8510, 0.2754, 0.3646



49.8510, 0.2456, 0.2686



49.8510, 0.3488, 0.2964



49.8510, 0.3830, 0.3878



# Rectangle

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



49.8510, 0.2754, 0.3646



49.8510, 0.2393, 0.3004



49.8510, 0.3488, 0.2964



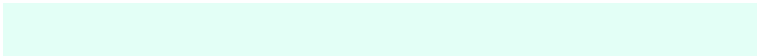
49.8510, 0.3922, 0.3492

# Sweetspot

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



49.8530, 0.2754, 0.3646



94.4823, 0.3008, 0.3383



50.3613, 0.3264, 0.4359



20.0891, 0.2994, 0.3395



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.



49.8530, 0.2754, 0.3646



82.1390, 0.2691, 0.3736



45.2382, 0.2581, 0.3111



12.6618, 0.3027, 0.3367



28.3336, 0.2554, 0.4393



1.4753, 0.2486, 0.4150



# Inverse Universe

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



29.7052, 0.3735, 0.2966



43.3044, 0.3929, 0.2899



32.4247, 0.3979, 0.3459



11.2736, 0.3239, 0.3214



8.3516, 0.5636, 0.2879



0.4448, 0.5078, 0.2571



# Previews

## White Background



This preview shows how the Yxy color 49.8510, 0.2754, 0.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

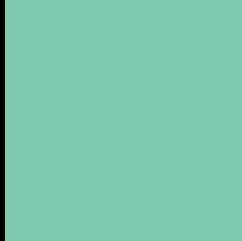
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8510, 0.2754, 0.3646 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

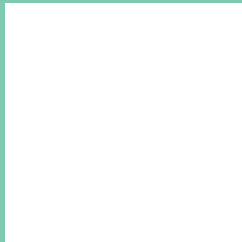
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.8510, 0.2754, 0.3646**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8510, 0.2754, 0.3646.

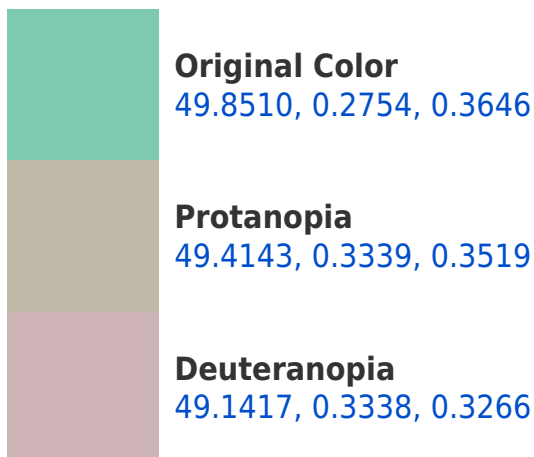


This preview shows how white text looks on a background with the Yxy color 49.8510, 0.2754, 0.3646.

# 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

49.8875, 0.2587, 0.3075

# Trichromacy



**Original Color**

49.8510, 0.2754, 0.3646

**Protanomaly**

49.0746, 0.3098, 0.3572

**Deuteranomaly**

48.6088, 0.3098, 0.3395

**Tritanomaly**

49.9225, 0.2648, 0.3275

# Monochromacy



**Original Color**

49.8510, 0.2754, 0.3646

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.1016, 0.2974, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8510, 0.2754, 0.3646 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(126, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(126, 202, 177)  
}
```

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(126, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 202, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8510, 0.2754, 0.3646 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(126, 202, 177) }
```

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

```
.border{ border-color:rgb(126, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 202, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 202, 177); box-shadow:4px 4px 4px 4px rgb(126, 202, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8510, 0.2754, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 202, 177) }
```

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

```
.background{ background-color: rgb(126,  
202, 177) }
```

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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