

# Converting Colors

$Yxy(50.3441, 0.2854, 0.3474)$

Have a look what the booklet for  
Yxy(50.3441, 0.2854, 0.3474)  
contains.

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# **Color**

**Yxy(50.2805, 0.2850, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C6B9
RGB	149, 198, 185
RGB Percent	58%, 78%, 73%
CMY	0.4158, 0.2235, 0.2744
CMYK	0.25, 0.00, 0.07, 0.22
HSL	164°, 30%, 68%
HSV	164°, 25%, 78%
XYZ	41.3443, 50.2805, 53.4430
YIQ	181.8670, -25.0310, -14.4310

# Conversions

## Conversions Part 2

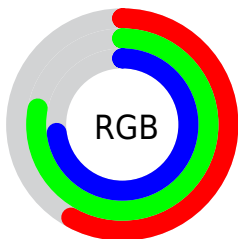
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 177, 198
Decimal	9815737
CIELab	76.24, -18.75, 1.27
CIELCh	76, 18.788, 176.116
Yxy	50.2805, 0.2850, 0.3466
Android (android.graphics.Color)	4288005817 (0xFF95C6B9)
YUV	181.8670, 1.5446, -28.8244
Hunter-Lab	70.9087, -20.0134, 4.9500

# Details

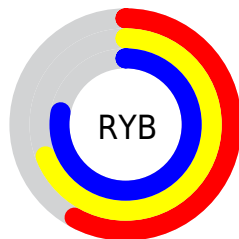
The Yxy color **50.2805, 0.2850, 0.3466** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.0999, 0.3507, 0.3122**, and the grayscale version is **46.7038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7082, 0.2900, 0.3437**, and **24.1538, 0.2775, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **48.3589, 0.2751, 0.3548**, and if you desaturate by 10%, it is **52.5310, 0.2958, 0.3390**.

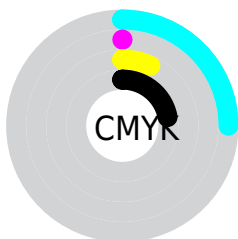
# Distribution



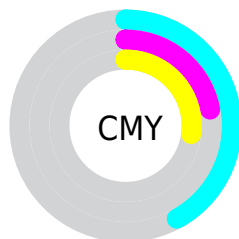
- Red (58%)
- Green (78%)
- Blue (73%)



- Red (58%)
- Yellow (69%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (42%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2805, 0.2850, 0.3466 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 50.2805, 0.2850, 0.3466 by changing the saturation by 10% instead.





 50.2805, 0.2850,  
0.3466

 50.2805, 0.2850,  
0.3466

387.7619, 0.2987,  
0.3379

 35.6363, 0.2816,  
0.3488


 90.5903, 0.2899,  
0.3434

 24.1535, 0.2773,  
0.3515


 117.0248, 0.2918,  
0.3423

 15.4475, 0.2717,  
0.3552


148.1581, 0.2934,  
0.3412

 9.1340, 0.2638,  
0.3603

184.3747, 0.2947,  
0.3404

 4.8287, 0.2523,  
0.3678

226.0590, 0.2959,  
0.3396

 2.1471, 0.2339,  
0.3801

273.5954, 0.2970,

 0.6909, 0.1282,

0.3390

0.4448

327.3682, 0.2979,  
0.3384

0.0000, 0.0000,  
0.0000

50.2805, 0.2850,  
0.3466

50.2805, 0.2850,  
0.3466

48.3589, 0.2751,  
0.3548

52.5310, 0.2958,  
0.3390

46.7439, 0.2664,  
0.3637

55.1191, 0.3072,  
0.3321

45.4200, 0.2592,  
0.3730

58.0610, 0.3189,  
0.3258

44.3681, 0.2537,  
0.3826

61.3698, 0.3307,  
0.3202

43.5663, 0.2500,  
0.3925

65.0581, 0.3425,  
0.3153

■ 42.9897, 0.2484,  
0.4024

■ 66.6333, 0.3440,  
0.3102

■ 42.6079, 0.2487,  
0.4123

■ 66.9094, 0.3400,  
0.3050

■ 42.4548, 0.2493,  
0.4174

■ 67.1942, 0.3359,  
0.2998

■ 67.4879, 0.3320,  
0.2947

# Harmonies

## Analogous

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



50.2805, 0.3087, 0.3662



50.2805, 0.2850, 0.3466



50.2805, 0.2690, 0.3223

# Triad

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



50.2805, 0.2850, 0.3466



50.2805, 0.2902, 0.2870



50.2805, 0.3636, 0.3538

# Complementary

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



50.2805, 0.2850, 0.3466



36.0999, 0.3507, 0.3122

# 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.



50.2805, 0.3584, 0.3329



50.2805, 0.2850, 0.3466



50.2805, 0.3151, 0.2954

# Square

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



50.2805, 0.2850, 0.3466



50.2805, 0.2719, 0.2888



50.2805, 0.3404, 0.3119



50.2805, 0.3545, 0.3694



# Rectangle

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



50.2805, 0.2850, 0.3466



50.2805, 0.2645, 0.3076



50.2805, 0.3404, 0.3119



50.2805, 0.3634, 0.3471

# Sweetspot

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



50.2826, 0.2850, 0.3466



96.4699, 0.3045, 0.3336



50.2469, 0.3197, 0.3964



20.5865, 0.3037, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

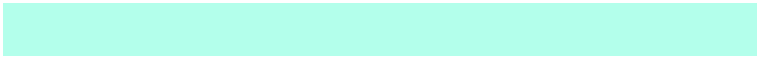


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.2826, 0.2850, 0.3466



87.0285, 0.2793, 0.3512



45.8212, 0.2753, 0.3133



12.0178, 0.3018, 0.3352



27.6221, 0.2489, 0.4161



1.3194, 0.2432, 0.3957



# Inverse Universe

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



36.0999, 0.3507, 0.3122



57.4116, 0.3624, 0.3081



39.4613, 0.3606, 0.3441



10.6823, 0.3249, 0.3229



7.9834, 0.5861, 0.3002



0.3904, 0.5247, 0.2664



# Previews

## White Background



This preview shows how the Yxy color 50.2805, 0.2850, 0.3466 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 50.2805, 0.2850, 0.3466 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

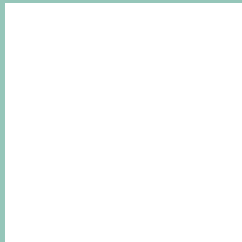
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.2805, 0.2850, 0.3466**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2805, 0.2850, 0.3466.



This preview shows how white text looks on a background with the Yxy color 50.2805, 0.2850, 0.3466.

# 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

50.2805, 0.2850, 0.3466

### Protanopia

50.1328, 0.3240, 0.3391

### Deuteranopia

49.6577, 0.3278, 0.3205



## Tritanopia

50.1067, 0.2720, 0.3080

# Trichromacy



## Original Color

50.2805, 0.2850, 0.3466

## Protanomaly

49.9449, 0.3089, 0.3420

## Deuteranomaly

49.4428, 0.3111, 0.3290

## Tritanomaly

49.9227, 0.2765, 0.3209

# Monochromacy



## Original Color

50.2805, 0.2850, 0.3466

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.9314, 0.3018, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2805, 0.2850, 0.3466 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(149, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 185)  
}
```

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(149, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2805, 0.2850, 0.3466 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(149, 198, 185) }
```

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

```
.border{ border-color:rgb(149, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2805, 0.2850, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 185) }
```

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

```
.background{ background-color: rgb(149,  
198, 185) }
```

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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