

# Converting Colors

$Y_{xy}(59.1504, 0.2787, 0.3360)$

Have a look what the booklet for  
Yxy(59.1504, 0.2787, 0.3360)  
contains.

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# Color

**Yxy(59.3626, 0.2786, 0.3365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ED5CF
RGB	158, 213, 207
RGB Percent	62%, 84%, 81%
CMY	0.3806, 0.1646, 0.1882
CMYK	0.26, 0.00, 0.03, 0.16
HSL	173°, 40%, 73%
HSV	173°, 26%, 84%
XYZ	49.1484, 59.3626, 67.9009
YIQ	195.8710, -30.8540, -13.5260

# Conversions

## Conversions Part 2

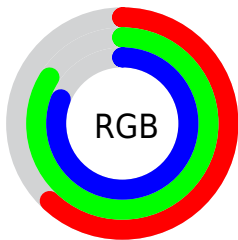
Format	Color
<b>RYB</b>	158, 187, 213
Decimal	10409423
CIELab	81.49, -18.90, -2.78
CIElCh	81, 19.099, 188.382
Yxy	59.3626, 0.2786, 0.3365
Android (android.graphics.Color)	4288599503 (0xFF9ED5CF)
YUV	195.8710, 5.4866, -33.2129
Hunter-Lab	77.0471, -20.9674, 1.6813

# Details

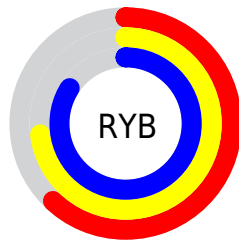
The Yxy color **59.3626, 0.2786, 0.3365** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2603, 0.3615, 0.3217**, and the grayscale version is **55.0953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **29.7569, 0.2699, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **57.2769, 0.2672, 0.3398**, and if you desaturate by 10%, it is **61.8291, 0.2912, 0.3334**.

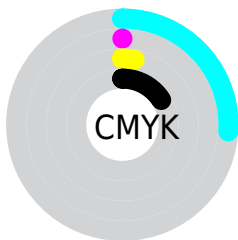
# Distribution



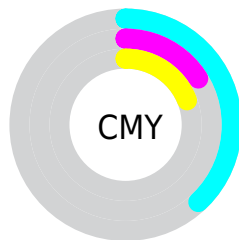
- Red (62%)
- Green (84%)
- Blue (81%)



- Red (62%)
- Yellow (73%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (38%)
- Magenta (16%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3626, 0.2786, 0.3365 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 59.3626, 0.2786, 0.3365 by changing the saturation by 10% instead.




 59.3626, 0.2786,  
0.3365

 59.3626, 0.2786,  
0.3365


422.2443, 0.2949,  
0.3330

 42.9051, 0.2748,  
0.3373


 103.9045, 0.2843,  
0.3353

 29.8106, 0.2700,  
0.3382


 132.7576, 0.2865,  
0.3348

 19.6949, 0.2638,  
0.3395


166.5114, 0.2884,  
0.3344

 12.1735, 0.2555,  
0.3410

205.5503, 0.2901,  
0.3341

 6.8619, 0.2439,  
0.3431

250.2587, 0.2915,  
0.3338

 3.3759, 0.2265,  
0.3460

301.0208, 0.2927,

 1.3310, 0.1969,

0.3335

0.3504

358.2213, 0.2939,  
0.3333

0.1650, 0.0000,  
0.3060

0.0000, 0.0000,  
0.0000

59.3626, 0.2786,  
0.3365

59.3626, 0.2786,  
0.3365

57.2769, 0.2672,  
0.3398

61.8291, 0.2912,  
0.3334

55.5456, 0.2572,  
0.3433

64.6872, 0.3046,  
0.3306

54.1498, 0.2489,  
0.3470

67.9559, 0.3186,  
0.3280

53.0664, 0.2425,  
0.3507

71.6512, 0.3329,  
0.3256

■ 52.2691, 0.2379,  
0.3545

■ 73.9519, 0.3401,  
0.3234

■ 51.7274, 0.2353,  
0.3583

■ 74.0750, 0.3384,  
0.3211

■ 51.4034, 0.2344,  
0.3620

■ 74.1998, 0.3368,  
0.3187

■ 51.3042, 0.2343,  
0.3636

■ 74.3263, 0.3351,  
0.3164

■ 74.4545, 0.3334,  
0.3141

# Harmonies

## Analogous

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



59.3626, 0.2990, 0.3581



59.3626, 0.2786, 0.3365



59.3626, 0.2674, 0.3136

# Triad

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



59.3626, 0.2786, 0.3365



59.3626, 0.3004, 0.2907



59.3626, 0.3596, 0.3600

# Complementary

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



59.3626, 0.2786, 0.3365



41.2603, 0.3615, 0.3217

# 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.



59.3626, 0.3603, 0.3413



59.3626, 0.2786, 0.3365



59.3626, 0.3254, 0.3023

# Square

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



59.3626, 0.2786, 0.3365



59.3626, 0.2795, 0.2883



59.3626, 0.3476, 0.3205



59.3626, 0.3460, 0.3713



# Rectangle

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



59.3626, 0.2786, 0.3365



59.3626, 0.2663, 0.3012



59.3626, 0.3476, 0.3205



59.3626, 0.3614, 0.3543

# Sweetspot

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



59.3650, 0.2786, 0.3365



96.1915, 0.3015, 0.3312



57.9948, 0.3139, 0.4014



20.4453, 0.2995, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

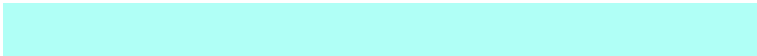


# Same Dimension

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



59.3650, 0.2786, 0.3365



87.4209, 0.2722, 0.3383



49.7249, 0.2726, 0.3016



14.0834, 0.2997, 0.3315



31.3427, 0.2342, 0.3630



1.8973, 0.2324, 0.3565



# Inverse Universe

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



41.2603, 0.3615, 0.3217



55.7761, 0.3758, 0.3201



48.8763, 0.3611, 0.3548



12.4426, 0.3274, 0.3265



8.6869, 0.6262, 0.3223



0.5316, 0.5917, 0.3033



# Previews

## White Background



This preview shows how the Yxy color 59.3626, 0.2786, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

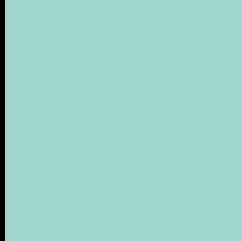
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.3626, 0.2786, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

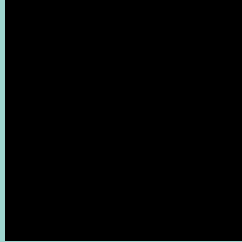
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

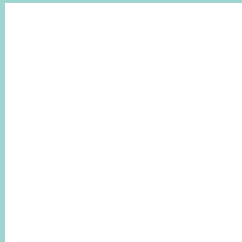
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.3626, 0.2786, 0.3365**

## Background



This preview shows how black text looks on a background with the Yxy color 59.3626, 0.2786, 0.3365.

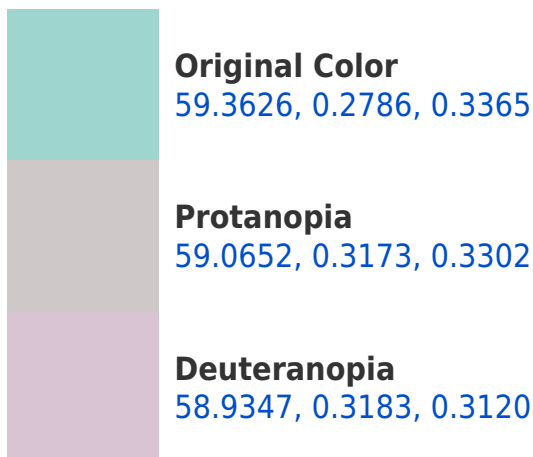


This preview shows how white text looks on a background with the Yxy color 59.3626, 0.2786, 0.3365.

# 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

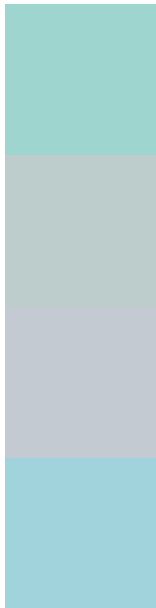




## Tritanopia

59.3206, 0.2691, 0.3081

# Trichromacy



## Original Color

59.3626, 0.2786, 0.3365

## Protanomaly

58.7933, 0.3021, 0.3314

## Deuteranomaly

58.6300, 0.3025, 0.3195

## Tritanomaly

59.3329, 0.2727, 0.3178

# Monochromacy



## Original Color

59.3626, 0.2786, 0.3365

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

56.3563, 0.2990, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3626, 0.2786, 0.3365 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(158, 213, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 213, 207)  
}
```

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(158, 213, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 213, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3626, 0.2786, 0.3365 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(158, 213, 207) }
```

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

```
.border{ border-color:rgb(158, 213, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 213, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 213, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 213, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 213,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3626, 0.2786, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 213, 207) }
```

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

```
.background{ background-color: rgb(158,  
213, 207) }
```

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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