

# Converting Colors

$Yxy(59.7443, 0.2818, 0.3433)$

Have a look what the booklet for  
Yxy(59.7443, 0.2818, 0.3433)  
contains.

<b>Yxy(59.7759, 0.2818, 0.3429)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(59.7759, 0.2818, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD6CB
RGB	159, 214, 203
RGB Percent	62%, 84%, 80%
CMY	0.3763, 0.1608, 0.2041
CMYK	0.26, 0.00, 0.05, 0.16
HSL	168°, 40%, 73%
HSV	168°, 26%, 84%
XYZ	49.1247, 59.7759, 65.4240
YIQ	196.3010, -29.2490, -15.0810

# Conversions

## Conversions Part 2

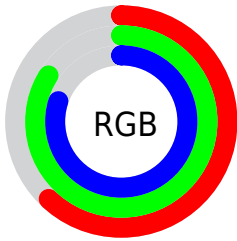
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 190, 214
Decimal	10475211
CIELab	81.72, -19.93, -0.29
CIELCh	82, 19.935, 180.837
Yxy	59.7759, 0.2818, 0.3429
Android (android.graphics.Color)	4288665291 (0xFF9FD6CB)
YUV	196.3010, 3.3026, -32.7130
Hunter-Lab	77.3149, -21.8849, 3.9491

# Details

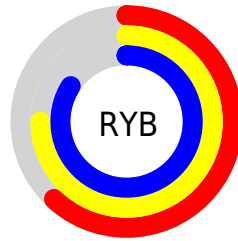
The Yxy color **59.7759, 0.2818, 0.3429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0085, 0.3562, 0.3157**, and the grayscale version is **55.3884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **30.0304, 0.2739, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **57.5740, 0.2713, 0.3492**, and if you desaturate by 10%, it is **62.3671, 0.2933, 0.3371**.

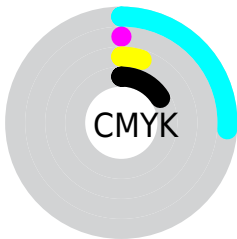
# Distribution



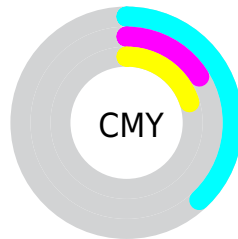
- Red (62%)
- Green (84%)
- Blue (80%)



- Red (62%)
- Yellow (75%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)




- Cyan (38%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7759, 0.2818, 0.3429 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 59.7759, 0.2818, 0.3429 by changing the saturation by 10% instead.





 59.7759, 0.2818,  
0.3429


 59.7759, 0.2818,  
0.3429


423.7713, 0.2966,  
0.3363

 43.2380, 0.2783,  
0.3445


 104.5045, 0.2870,  
0.3406

 30.0719, 0.2739,  
0.3464


 133.4640, 0.2890,  
0.3397

 19.8932, 0.2683,  
0.3489


167.3329, 0.2907,  
0.3389

 12.3174, 0.2607,  
0.3523

206.4955, 0.2922,  
0.3382

 6.9602, 0.2500,  
0.3571

251.3363, 0.2935,  
0.3377

 3.4372, 0.2338,  
0.3642

302.2396, 0.2947,

 1.3640, 0.2060,

0.3371

359.5897, 0.2957,  
0.3367

0.3765

0.1900, 0.0000,  
0.4554

0.0000, 0.0000,  
0.0000

59.7759, 0.2818,  
0.3429

59.7759, 0.2818,  
0.3429

57.5740, 0.2713,  
0.3492

62.3671, 0.2933,  
0.3371

55.7346, 0.2621,  
0.3558

65.3585, 0.3055,  
0.3318

54.2388, 0.2545,  
0.3628

68.7695, 0.3182,  
0.3270

53.0630, 0.2487,  
0.3700

72.6161, 0.3311,  
0.3227

■ 52.1807, 0.2448,  
0.3773

■ 74.7606, 0.3358,  
0.3186

■ 51.5611, 0.2429,  
0.3847

■ 74.9974, 0.3327,  
0.3143

■ 51.1661, 0.2428,  
0.3920

■ 75.2401, 0.3297,  
0.3100

■ 51.0354, 0.2431,  
0.3951

■ 75.4889, 0.3267,  
0.3058

■ 75.7436, 0.3237,  
0.3017

# Harmonies

## Analogous

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



59.7759, 0.3047, 0.3638



59.7759, 0.2818, 0.3429



59.7759, 0.2674, 0.3186

# Triad

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



59.7759, 0.2818, 0.3429



59.7759, 0.2938, 0.2876



59.7759, 0.3631, 0.3568

# Complementary

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



59.7759, 0.2818, 0.3429



42.0085, 0.3562, 0.3157

# 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.



59.7759, 0.3602, 0.3363



59.7759, 0.2818, 0.3429



59.7759, 0.3193, 0.2975

# Square

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



59.7759, 0.2818, 0.3429



59.7759, 0.2741, 0.2877



59.7759, 0.3439, 0.3150



59.7759, 0.3520, 0.3711



# Rectangle

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



59.7759, 0.2818, 0.3429



59.7759, 0.2642, 0.3045



59.7759, 0.3439, 0.3150



59.7759, 0.3638, 0.3504

# Sweetspot

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



59.7783, 0.2818, 0.3429



96.0731, 0.3026, 0.3330



59.2499, 0.3179, 0.4000



20.4153, 0.3007, 0.3338



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.



59.7783, 0.2818, 0.3429



86.9836, 0.2758, 0.3464



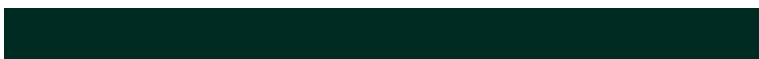
52.8130, 0.2735, 0.3090



14.0631, 0.3009, 0.3337



30.8621, 0.2428, 0.3940



1.8726, 0.2393, 0.3814



# Inverse Universe

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



42.0085, 0.3562, 0.3157



56.0891, 0.3692, 0.3126



47.3077, 0.3624, 0.3481



12.4612, 0.3260, 0.3243



8.7584, 0.6060, 0.3112

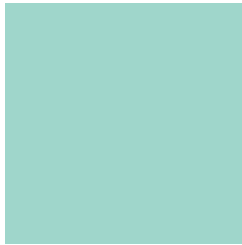


0.5403, 0.5580, 0.2847



# Previews

## White Background



This preview shows how the Yxy color 59.7759, 0.2818, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

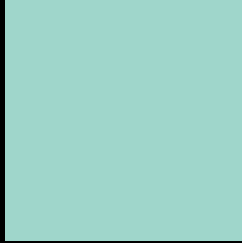
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7759, 0.2818, 0.3429 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

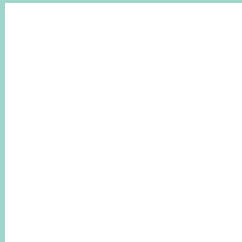
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.7759, 0.2818, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7759, 0.2818, 0.3429.

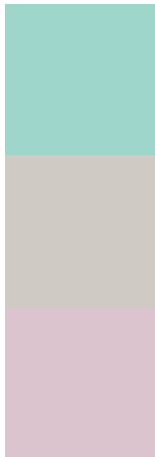


This preview shows how white text looks on a background with the Yxy color 59.7759, 0.2818, 0.3429.

# 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

59.7759, 0.2818, 0.3429

### Protanopia

59.6365, 0.3217, 0.3361

### Deuteranopia

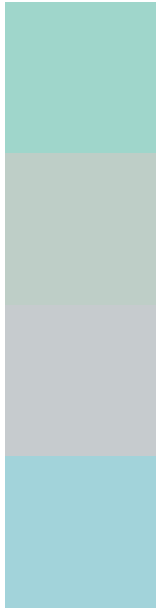
59.2005, 0.3236, 0.3166



## Tritanopia

59.5318, 0.2703, 0.3082

# Trichromacy



**Original Color**

59.7759, 0.2818, 0.3429

**Protanomaly**

59.2133, 0.3056, 0.3375

**Deuteranomaly**

59.1739, 0.3068, 0.3254

**Tritanomaly**

59.3319, 0.2744, 0.3202

# Monochromacy



**Original Color**

59.7759, 0.2818, 0.3429

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.9027, 0.3004, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7759, 0.2818, 0.3429 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(159, 214, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 214, 203)  
}
```

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(159, 214, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 214, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7759, 0.2818, 0.3429 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(159, 214, 203) }
```

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

```
.border{ border-color:rgb(159, 214, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 214, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 214, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 214, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 214,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7759, 0.2818, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 214, 203) }
```

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

```
.background{ background-color: rgb(159,  
214, 203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor