

# Converting Colors

$Yxy(60.1128, 0.2671, 0.3643)$

Have a look what the booklet for  
Yxy(60.1128, 0.2671, 0.3643)  
contains.

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**Color**

**Yxy(59.9381, 0.2670, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CDDC3
RGB	124, 221, 195
RGB Percent	49%, 87%, 76%
CMY	0.5140, 0.1333, 0.2352
CMYK	0.44, 0.00, 0.12, 0.13
HSL	164°, 59%, 68%
HSV	164°, 44%, 87%
XYZ	44.0140, 59.9381, 60.8942
YIQ	189.0330, -49.4660, -28.6500

# Conversions

## Conversions Part 2

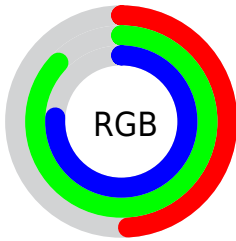
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 180, 221
Decimal	8183235
CIELab	81.80, -34.74, 3.85
CIELCh	82, 34.953, 173.677
Yxy	59.9381, 0.2670, 0.3636
Android (android.graphics.Color)	4286373315 (0xFF7CDDC3)
YUV	189.0330, 2.9417, -57.0339
Hunter-Lab	77.4197, -34.0053, 7.5594

# Details

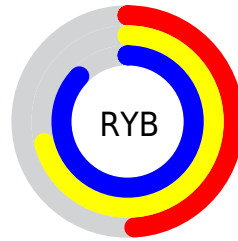
The Yxy color **59.9381, 0.2670, 0.3636** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9724, 0.3965, 0.2981**, and the grayscale version is **50.9063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3720, 0.2720, 0.3321**, and **30.0266, 0.2556, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **58.2129, 0.2597, 0.3731**, and if you desaturate by 10%, it is **62.0476, 0.2758, 0.3546**.

# Distribution



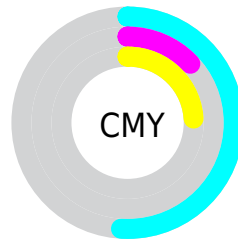
- Red (49%)
- Green (87%)
- Blue (76%)



- Red (49%)
- Yellow (71%)
- Blue (87%)



- Cyan (44%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)




- Cyan (51%)
- Magenta (13%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9381, 0.2670, 0.3636 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 59.9381, 0.2670, 0.3636 by changing the saturation by 10% instead.





 59.9381, 0.2670,  
0.3636


 59.9381, 0.2670,  
0.3636


424.3696, 0.2890,  
0.3468

 43.3687, 0.2618,  
0.3677

 104.7399, 0.2748,  
0.3576

 30.1745, 0.2552,  
0.3728


 133.7411, 0.2778,  
0.3553

 19.9711, 0.2468,  
0.3795


 167.6550, 0.2803,  
0.3534

 12.3740, 0.2354,  
0.3886


206.8661, 0.2825,  
0.3517

 6.9990, 0.2194,  
0.4017

251.7587, 0.2844,  
0.3502

 3.4614, 0.1953,  
0.4219

302.7172, 0.2861,

 1.3771, 0.1341,

0.3489

0.4688

360.1260, 0.2876,  
0.3478

■ 0.1998, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.9381, 0.2670,  
0.3636

■ 59.9381, 0.2670,  
0.3636

■ 58.2129, 0.2597,  
0.3731

■ 62.0476, 0.2758,  
0.3546

■ 56.8398, 0.2541,  
0.3829

■ 64.5569, 0.2858,  
0.3463

■ 55.7929, 0.2504,  
0.3930


■ 67.4894, 0.2967,  
0.3386

■ 55.0397, 0.2487,  
0.4031

■ 70.8646, 0.3081,  
0.3316


 54.5407, 0.2489,  
0.4132

 74.7008, 0.3199,  
0.3252

 54.3223, 0.2498,  
0.4192

 78.7214, 0.3307,  
0.3196

 79.0605, 0.3266,  
0.3138

 79.4109, 0.3226,  
0.3080

 79.7729, 0.3187,  
0.3023

# Harmonies

## Analogous

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



59.9381, 0.3081, 0.3988



59.9381, 0.2670, 0.3636



59.9381, 0.2393, 0.3191

# Triad

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



59.9381, 0.2670, 0.3636



59.9381, 0.2701, 0.2576



59.9381, 0.4025, 0.3667

# Complementary

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



59.9381, 0.2670, 0.3636



31.9724, 0.3965, 0.2981

# 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.



59.9381, 0.3916, 0.3308



59.9381, 0.2670, 0.3636



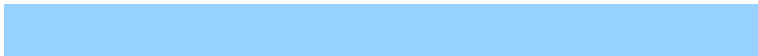
59.9381, 0.3123, 0.2706

# Square

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



59.9381, 0.2670, 0.3636



59.9381, 0.2411, 0.2608



59.9381, 0.3576, 0.2967



59.9381, 0.3873, 0.3966



# Rectangle

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



59.9381, 0.2670, 0.3636



59.9381, 0.2311, 0.2927



59.9381, 0.3576, 0.2967



59.9381, 0.4018, 0.3550

# Sweetspot

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



59.9405, 0.2670, 0.3636



93.6875, 0.2976, 0.3380



59.7940, 0.3245, 0.4582



19.8463, 0.2951, 0.3396



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

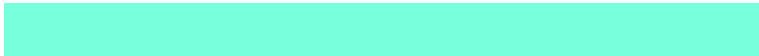


# Same Dimension

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



59.9405, 0.2670, 0.3636



80.6076, 0.2600, 0.3726



50.7998, 0.2488, 0.3009



14.7670, 0.3018, 0.3353



31.5727, 0.2494, 0.4176



2.0595, 0.2448, 0.4013



# Inverse Universe

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



31.9724, 0.3965, 0.2981



37.0581, 0.4255, 0.2923



37.0686, 0.4168, 0.3546



13.1085, 0.3250, 0.3228



9.1304, 0.5862, 0.3003

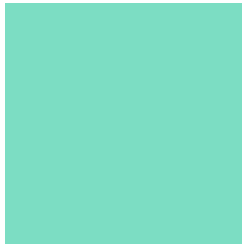


0.6058, 0.5393, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 59.9381, 0.2670, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

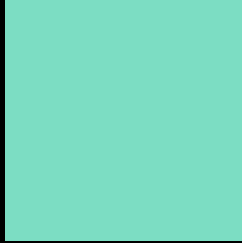
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9381, 0.2670, 0.3636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

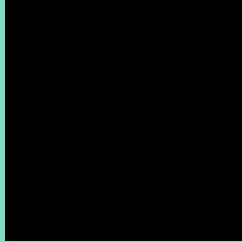
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

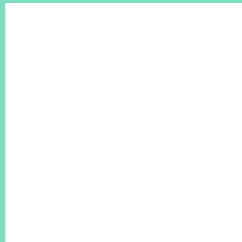
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.9381, 0.2670, 0.3636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9381, 0.2670, 0.3636.

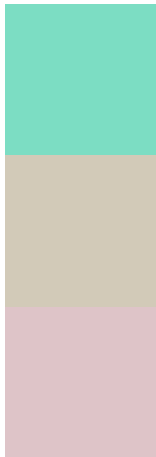


This preview shows how white text looks on a background with the Yxy color 59.9381, 0.2670, 0.3636.

# 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

59.9381, 0.2670, 0.3636

### Protanopia

59.4034, 0.3323, 0.3503

### Deuteranopia

59.1796, 0.3306, 0.3245



## Tritanopia

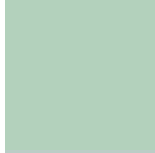
60.0633, 0.2514, 0.3076

# Trichromacy



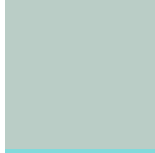
## Original Color

59.9381, 0.2670, 0.3636



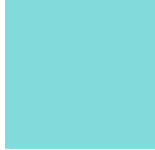
## Protanomaly

58.8155, 0.3048, 0.3553



## Deuteranomaly

58.1790, 0.3033, 0.3376



## Tritanomaly

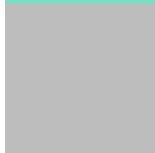
60.0031, 0.2569, 0.3276

# Monochromacy



## Original Color

59.9381, 0.2670, 0.3636



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.5342, 0.2926, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9381, 0.2670, 0.3636 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(124, 221, 195)` looks like.

```
.text, #text, p{  
    color:rgb(124, 221, 195)  
}
```

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(124, 221, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 221, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9381, 0.2670, 0.3636 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(124, 221, 195) }
```

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

```
.border{ border-color:rgb(124, 221, 195) }
```

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

Here you see how a box with a 4 pixel rgb(124, 221, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 221, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 221, 195);  
box-shadow:4px 4px 4px 4px rgb(124, 221,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9381, 0.2670, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 221, 195) }
```

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

```
.background{ background-color: rgb(124,  
221, 195) }
```

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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