

# Converting Colors

$Yxy(58.1742, 0.2648, 0.3393)$

Have a look what the booklet for  
Yxy(58.1742, 0.2648, 0.3393)  
contains.

<b>Yxy(58.1742, 0.2648, 0.3393)</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(58.1742, 0.2648, 0.3393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D7CF
RGB	134, 215, 207
RGB Percent	53%, 84%, 81%
CMY	0.4743, 0.1569, 0.1882
CMYK	0.38, 0.00, 0.04, 0.16
HSL	174°, 50%, 68%
HSV	174°, 38%, 84%
XYZ	45.4009, 58.1742, 67.8785
YIQ	189.8690, -45.7080, -19.6600

# Conversions

## Conversions Part 2

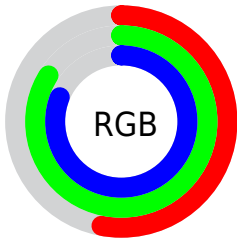
Format	Color
<a href="#">RYB</a>	<a href="#">134, 177, 215</a>
Decimal	<a href="#">8837071</a>
CIELab	<a href="#">80.84, -26.54, -3.89</a>
CIELCh	<a href="#">81, 26.827, 188.347</a>
Yxy	<a href="#">58.1742, 0.2648, 0.3393</a>
Android (android.graphics.Color)	<a href="#">4287027151</a> ( <a href="#">0xFF86D7CF</a> )
YUV	<a href="#">189.8690, 8.4456, -48.9971</a>
Hunter-Lab	<a href="#">76.2720, -27.2239, 0.6251</a>

# Details

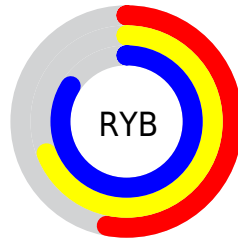
The Yxy color **58.1742, 0.2648, 0.3393** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4623, 0.3955, 0.3194**, and the grayscale version is **51.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **29.1038, 0.2527, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **56.4822, 0.2550, 0.3425**, and if you desaturate by 10%, it is **60.2314, 0.2761, 0.3363**.

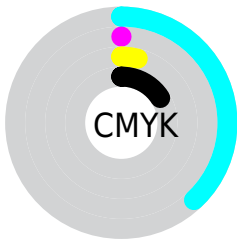
# Distribution



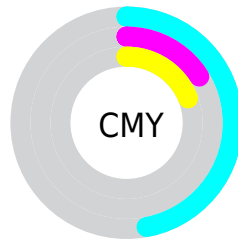
- Red (53%)
- Green (84%)
- Blue (81%)



- Red (53%)
- Yellow (69%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1742, 0.2648, 0.3393 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 58.1742, 0.2648, 0.3393 by changing the saturation by 10% instead.





 58.1742, 0.2648,  
0.3393

 58.1742, 0.2648,  
0.3393


417.8347, 0.2876,  
0.3346


 41.9487, 0.2594,  
0.3403


 102.1765, 0.2729,  
0.3377

 29.0611, 0.2527,  
0.3416


 130.7221, 0.2759,  
0.3371

 19.1271, 0.2441,  
0.3431


 164.1432, 0.2786,  
0.3365

 11.7621, 0.2325,  
0.3451

202.8241, 0.2809,  
0.3361

 6.5819, 0.2165,  
0.3476

247.1494, 0.2829,  
0.3356

 3.2020, 0.1926,  
0.3508

297.5033, 0.2847,

 1.2381, 0.1427,

0.3353

0.3591

354.2703, 0.2862,  
0.3349

0.0925, 0.0000,  
0.1987

0.0000, 0.0000,  
0.0000

58.1742, 0.2648,  
0.3393

58.1742, 0.2648,  
0.3393

56.4822, 0.2550,  
0.3425

60.2314, 0.2761,  
0.3363

55.1265, 0.2470,  
0.3458

62.6668, 0.2886,  
0.3335

54.0851, 0.2408,  
0.3491

65.5014, 0.3020,  
0.3308

53.3306, 0.2365,  
0.3525

68.7525, 0.3161,  
0.3285

■ 52.8305, 0.2341,  
0.3559

■ 72.4365, 0.3305,  
0.3263

■ 52.5401, 0.2334,  
0.3593

■ 75.0117, 0.3390,  
0.3243

■ 52.4852, 0.2334,  
0.3601

■ 75.1245, 0.3375,  
0.3222

■ 75.2387, 0.3360,  
0.3200

■ 75.3544, 0.3345,  
0.3179

# Harmonies

## Analogous

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



58.1742, 0.2930, 0.3708



58.1742, 0.2648, 0.3393



58.1742, 0.2495, 0.3066

# Triad

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



58.1742, 0.2648, 0.3393



58.1742, 0.2950, 0.2760



58.1742, 0.3791, 0.3718

# Complementary

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



58.1742, 0.2648, 0.3393



33.4623, 0.3955, 0.3194

# 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.



58.1742, 0.3804, 0.3453



58.1742, 0.2648, 0.3393



58.1742, 0.3302, 0.2919

# Square

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



58.1742, 0.2648, 0.3393



58.1742, 0.2661, 0.2723



58.1742, 0.3621, 0.3167



58.1742, 0.3593, 0.3888



# Rectangle

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



58.1742, 0.2648, 0.3393



58.1742, 0.2480, 0.2893



58.1742, 0.3621, 0.3167



58.1742, 0.3818, 0.3636

# Sweetspot

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



58.1765, 0.2648, 0.3393



94.8860, 0.2973, 0.3317



56.0842, 0.3129, 0.4410



20.1858, 0.2954, 0.3321



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.



58.1765, 0.2648, 0.3393



83.6302, 0.2570, 0.3418



43.6863, 0.2541, 0.2850



14.0858, 0.2996, 0.3313



31.4028, 0.2332, 0.3596



1.9003, 0.2316, 0.3537



# Inverse Universe

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



33.4623, 0.3955, 0.3194



42.3418, 0.4221, 0.3175



43.5959, 0.3895, 0.3688



12.4405, 0.3276, 0.3267



8.6810, 0.6279, 0.3233



0.5306, 0.5960, 0.3057



# Previews

## White Background



This preview shows how the Yxy color 58.1742, 0.2648, 0.3393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

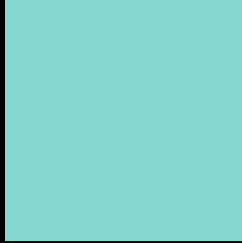
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1742, 0.2648, 0.3393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

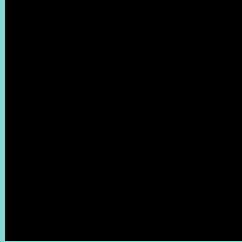
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

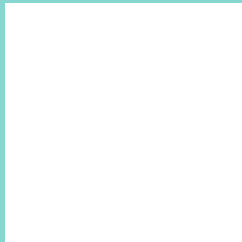
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1742, 0.2648, 0.3393**

## Background



This preview shows how black text looks on a background with the Yxy color 58.1742, 0.2648, 0.3393.

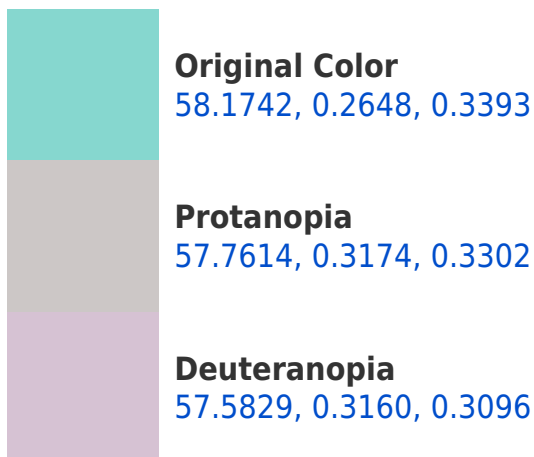


This preview shows how white text looks on a background with the Yxy color 58.1742, 0.2648, 0.3393.

# 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

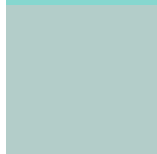
58.3196, 0.2557, 0.3075

# Trichromacy



## Original Color

58.1742, 0.2648, 0.3393



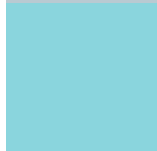
## Protanomaly

57.4634, 0.2961, 0.3339



## Deuteranomaly

57.2085, 0.2944, 0.3192



## Tritanomaly

58.2122, 0.2591, 0.3186

# Monochromacy



## Original Color

58.1742, 0.2648, 0.3393



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.3784, 0.2928, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1742, 0.2648, 0.3393 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(134, 215, 207)` looks like.

```
.text, #text, p{  
    color:rgb(134, 215, 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(134, 215, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 215, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1742, 0.2648, 0.3393 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(134, 215, 207) }
```

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

```
.border{ border-color:rgb(134, 215, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 215, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 215, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 215, 207);  
box-shadow:4px 4px 4px 4px rgb(134, 215,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1742, 0.2648, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 215, 207) }
```

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

```
.background{ background-color: rgb(134,  
215, 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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