

# Converting Colors

$Yxy(63.8870, 0.2654, 0.3587)$

Have a look what the booklet for  
Yxy(63.8870, 0.2654, 0.3587)  
contains.

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# Color

**Yxy(63.8870, 0.2654, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E3CC
RGB	128, 227, 204
RGB Percent	50%, 89%, 80%
CMY	0.4980, 0.1098, 0.2001
CMYK	0.44, 0.00, 0.10, 0.11
HSL	166°, 64%, 70%
HSV	166°, 44%, 89%
XYZ	47.2696, 63.8870, 66.9504
YIQ	194.7770, -51.6210, -28.1410

# Conversions

## Conversions Part 2

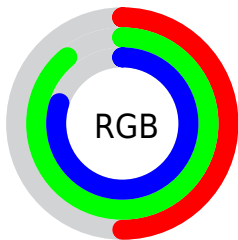
Format	Color
<b>RYB</b>	128, 184, 227
Decimal	8446924
CIELab	83.91, -34.49, 2.18
CIELCh	84, 34.560, 176.378
Yxy	63.8870, 0.2654, 0.3587
Android (android.graphics.Color)	4286637004 (0xFF80E3CC)
YUV	194.7770, 4.5469, -58.5634
Hunter-Lab	79.9293, -34.3128, 6.2880

# Details

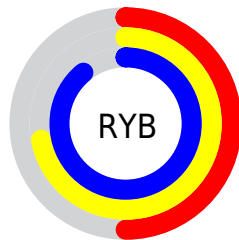
The Yxy color **63.8870, 0.2654, 0.3587** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.0110, 0.3999, 0.3023**, and the grayscale version is **54.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **32.6299, 0.2533, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **62.0723, 0.2577, 0.3668**, and if you desaturate by 10%, it is **66.1091, 0.2746, 0.3510**.

# Distribution



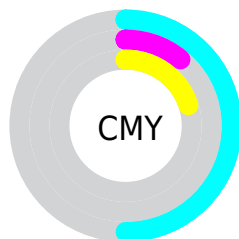
- Red (50%)
- Green (89%)
- Blue (80%)



- Red (50%)
- Yellow (72%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (50%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8870, 0.2654, 0.3587 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 63.8870, 0.2654, 0.3587 by changing the saturation by 10% instead.




 63.8870, 0.2654,  
0.3587

 63.8870, 0.2654,  
0.3587

438.7815, 0.2878,  
0.3445

 46.5592, 0.2602,  
0.3620

 110.4482, 0.2733,  
0.3537

 32.6873, 0.2536,  
0.3662


 140.4503, 0.2763,  
0.3518

 21.8870, 0.2453,  
0.3716


 175.4460, 0.2789,  
0.3501

 13.7739, 0.2342,  
0.3789

215.8196, 0.2811,  
0.3487

 7.9636, 0.2189,  
0.3890

261.9556, 0.2831,  
0.3475

 4.0716, 0.1963,  
0.4042

314.2383, 0.2849,

 1.7137, 0.1564,

0.3464

0.4312

373.0521, 0.2864,  
0.3454

0.4325, 0.0000,  
0.5761

0.0000, 0.0000,  
0.0000

63.8870, 0.2654,  
0.3587

63.8870, 0.2654,  
0.3587

62.0723, 0.2577,  
0.3668

66.1091, 0.2746,  
0.3510

60.6308, 0.2518,  
0.3753


68.7552, 0.2850,  
0.3438

59.5350, 0.2478,  
0.3839

71.8501, 0.2963,  
0.3371


58.7504, 0.2457,  
0.3926

75.4145, 0.3083,  
0.3310


 58.2350, 0.2456,  
0.4012


 79.4677, 0.3206,  
0.3256

 58.0038, 0.2463,  
0.4067

 82.2369, 0.3266,  
0.3205

 82.5479, 0.3231,  
0.3153

 82.8680, 0.3196,  
0.3102

 83.1973, 0.3162,  
0.3052

# Harmonies

## Analogous

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



63.8870, 0.3044, 0.3941



63.8870, 0.2654, 0.3587



63.8870, 0.2400, 0.3158

# Triad

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



63.8870, 0.2654, 0.3587



63.8870, 0.2747, 0.2602



63.8870, 0.3993, 0.3687

# Complementary

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



63.8870, 0.2654, 0.3587



34.0110, 0.3999, 0.3023

# 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.



63.8870, 0.3910, 0.3341



63.8870, 0.2654, 0.3587



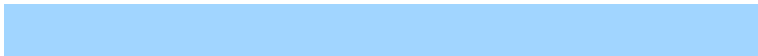
63.8870, 0.3164, 0.2742

# Square

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



63.8870, 0.2654, 0.3587



63.8870, 0.2451, 0.2619



63.8870, 0.3598, 0.3004



63.8870, 0.3826, 0.3965



# Rectangle

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



63.8870, 0.2654, 0.3587



63.8870, 0.2331, 0.2910



63.8870, 0.3598, 0.3004



63.8870, 0.3994, 0.3575

# Sweetspot

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



63.8895, 0.2654, 0.3587



93.7591, 0.2970, 0.3368



63.0898, 0.3211, 0.4588



19.8641, 0.2944, 0.3382



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.



63.8895, 0.2654, 0.3587



81.0769, 0.2586, 0.3658



51.7279, 0.2480, 0.2945



16.2760, 0.3012, 0.3345



33.8455, 0.2460, 0.4054



2.5150, 0.2425, 0.3928



# Inverse Universe

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



34.0110, 0.3999, 0.3023



37.5856, 0.4278, 0.2977



41.1392, 0.4132, 0.3602



14.4227, 0.3256, 0.3236



9.6880, 0.5977, 0.3066

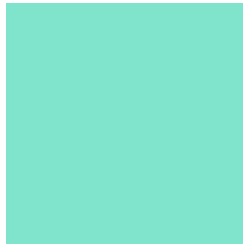


0.7300, 0.5568, 0.2841



# Previews

## White Background



This preview shows how the Yxy color 63.8870, 0.2654, 0.3587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

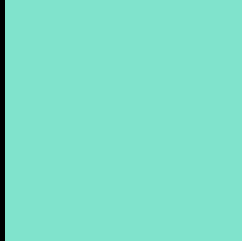
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8870, 0.2654, 0.3587 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

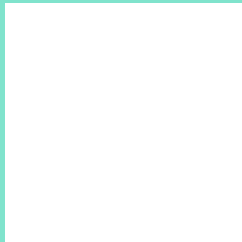
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8870, 0.2654, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8870, 0.2654, 0.3587.

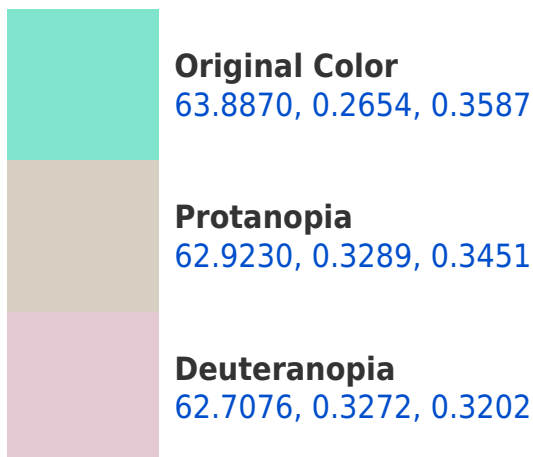


This preview shows how white text looks on a background with the Yxy color 63.8870, 0.2654, 0.3587.

# 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

63.9371, 0.2512, 0.3070

# Trichromacy



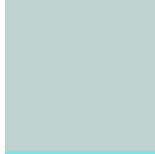
## Original Color

63.8870, 0.2654, 0.3587



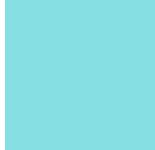
## Protanomaly

62.1916, 0.3017, 0.3497



## Deuteranomaly

61.6745, 0.3008, 0.3325



## Tritanomaly

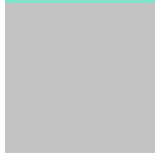
63.9257, 0.2561, 0.3251

# Monochromacy



## Original Color

63.8870, 0.2654, 0.3587



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

57.3608, 0.2925, 0.3403

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8870, 0.2654, 0.3587 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(128, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 227, 204)  
}
```

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(128, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 227, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8870, 0.2654, 0.3587 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(128, 227, 204) }
```

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

```
.border{ border-color:rgb(128, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 227,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8870, 0.2654, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 227, 204) }
```

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

```
.background{ background-color: rgb(128,  
227, 204) }
```

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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