

Converting Colors

$Yxy(57.9711, 0.2684, 0.3587)$

Have a look what the booklet for
Yxy(57.9711, 0.2684, 0.3587)
contains.

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Color

Yxy(58.1550, 0.2685, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	80D9C3
RGB	128, 217, 195
RGB Percent	50%, 85%, 76%
CMY	0.4978, 0.1490, 0.2354
CMYK	0.41, 0.00, 0.10, 0.15
HSL	165°, 54%, 68%
HSV	165°, 41%, 85%
XYZ	43.5676, 58.1550, 60.5403
YIQ	187.8810, -45.9820, -25.7100

Conversions

Conversions Part 2

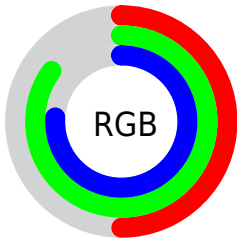
Format	Color
RYB	128, 179, 217
Decimal	8444355
CIELab	80.82, -31.83, 2.48
CIELCh	81, 31.927, 175.544
Yxy	58.1550, 0.2685, 0.3584
Android (android.graphics.Color)	4286634435 (0xFF80D9C3)
YUV	187.8810, 3.5097, -52.5156
Hunter-Lab	76.2594, -31.4756, 6.3129

Details

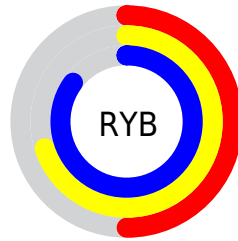
The Yxy color **58.1550, 0.2685, 0.3584** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.4072, 0.3904, 0.3023**, and the grayscale version is **50.2237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7386, 0.2736, 0.3321**, and **29.1415, 0.2573, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **56.4112, 0.2605, 0.3670**, and if you desaturate by 10%, it is **60.2720, 0.2779, 0.3503**.

Distribution



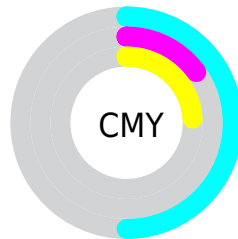
- Red (50%)
- Green (85%)
- Blue (76%)



- Red (50%)
- Yellow (70%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1550, 0.2685, 0.3584 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 58.1550, 0.2685, 0.3584 by changing the saturation by 10% instead.


 58.1550, 0.2685,
0.3584


 58.1550, 0.2685,
0.3584


417.7633, 0.2898,
0.3441


 41.9333, 0.2634,
0.3618


 102.1485, 0.2761,
0.3533

 29.0490, 0.2570,
0.3662


 130.6891, 0.2789,
0.3514

 19.1179, 0.2488,
0.3719


 164.1048, 0.2814,
0.3497

 11.7555, 0.2376,
0.3796

202.7800, 0.2835,
0.3483

 6.5774, 0.2219,
0.3907

247.0990, 0.2854,
0.3470

 3.1993, 0.1981,
0.4079

297.4463, 0.2870,

 1.2366, 0.1321,

0.3459

0.4513

354.2062, 0.2885,
0.3450

■ 0.0913, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1550, 0.2685,
0.3584

■ 58.1550, 0.2685,
0.3584

■ 56.4112, 0.2605,
0.3670

■ 60.2720, 0.2779,
0.3503

■ 55.0105, 0.2542,
0.3759


■ 62.7765, 0.2884,
0.3428


■ 53.9292, 0.2498,
0.3851


■ 65.6904, 0.2997,
0.3359

■ 53.1376, 0.2473,
0.3944

■ 69.0318, 0.3115,
0.3296


 52.6005, 0.2468,
0.4036


 72.8179, 0.3236,
0.3239

 52.2792, 0.2477,
0.4119

 76.4435, 0.3334,
0.3188

 76.7453, 0.3297,
0.3135

 77.0564, 0.3260,
0.3083

 77.3770, 0.3223,
0.3031

Harmonies

Analogous

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



58.1550, 0.3061, 0.3915



58.1550, 0.2685, 0.3584



58.1550, 0.2436, 0.3177

Triad

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



58.1550, 0.2685, 0.3584



58.1550, 0.2755, 0.2630



58.1550, 0.3954, 0.3663

Complementary

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



58.1550, 0.2685, 0.3584



32.4072, 0.3904, 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.



58.1550, 0.3868, 0.3331



58.1550, 0.2685, 0.3584



58.1550, 0.3151, 0.2760

Square

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



58.1550, 0.2685, 0.3584



58.1550, 0.2475, 0.2651



58.1550, 0.3566, 0.3009



58.1550, 0.3802, 0.3930

Rectangle

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



58.1550, 0.2685, 0.3584



58.1550, 0.2367, 0.2938



58.1550, 0.3566, 0.3009



58.1550, 0.3952, 0.3555

Sweetspot

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



58.1573, 0.2685, 0.3584



94.1728, 0.2984, 0.3366



57.6966, 0.3219, 0.4492



20.0329, 0.2969, 0.3375



0.0000, 0.0000, 0.0000



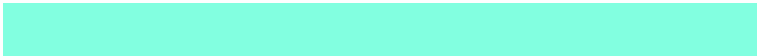
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1573, 0.2685, 0.3584



81.6546, 0.2617, 0.3656



48.5263, 0.2520, 0.2990



14.7716, 0.3015, 0.3349



31.6648, 0.2474, 0.4105



2.0648, 0.2432, 0.3956

Inverse Universe

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



32.4072, 0.3904, 0.3023



39.8116, 0.4156, 0.2972



38.2157, 0.4054, 0.3565



13.1042, 0.3253, 0.3232



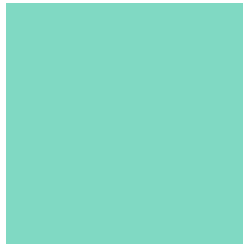
9.1039, 0.5926, 0.3038



0.6035, 0.5459, 0.2781

Previews

White Background



This preview shows how the Yxy color 58.1550, 0.2685, 0.3584 looks on a white background.

Color Contrast Check

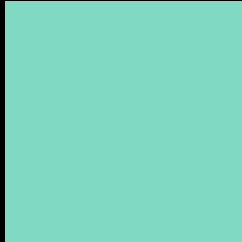
Large Text (above 18pt) WCAG AA × Fail

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 58.1550, 0.2685, 0.3584 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

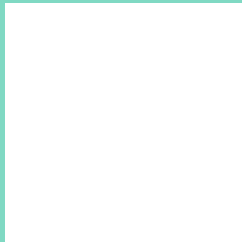
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.1550, 0.2685, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 58.1550, 0.2685, 0.3584.

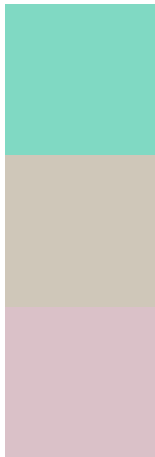


This preview shows how white text looks on a background with the Yxy color 58.1550, 0.2685, 0.3584.

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

58.1550, 0.2685, 0.3584

Protanopia

57.6150, 0.3295, 0.3457

Deuteranopia

57.2155, 0.3277, 0.3210



Tritanopia

58.0625, 0.2542, 0.3074

Trichromacy



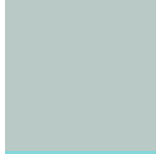
Original Color

58.1550, 0.2685, 0.3584



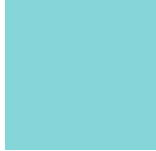
Protanomaly

57.2817, 0.3035, 0.3504



Deuteranomaly

56.6326, 0.3026, 0.3339



Tritanomaly

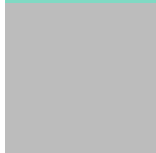
58.1712, 0.2592, 0.3250

Monochromacy



Original Color

58.1550, 0.2685, 0.3584



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.7154, 0.2933, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1550, 0.2685, 0.3584 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, 217, 195)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 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(128, 217, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 195) }
```

Border

The CSS property to change the border of an element to Yxy 58.1550, 0.2685, 0.3584 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, 217, 195) }
```

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

```
.border{ border-color:rgb(128, 217, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 195);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1550, 0.2685, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 195) }
```

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

```
.background{ background-color: rgb(128,  
217, 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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