

Converting Colors

$Yxy(50.5718, 0.2672, 0.3550)$

Have a look what the booklet for
Yxy(50.5718, 0.2672, 0.3550)
contains.

Yxy(50.6816, 0.2674, 0.3558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.6816, 0.2674, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	78CCB9
RGB	120, 204, 185
RGB Percent	47%, 80%, 73%
CMY	0.5296, 0.2000, 0.2745
CMYK	0.41, 0.00, 0.09, 0.20
HSL	166°, 45%, 64%
HSV	166°, 41%, 80%
XYZ	38.0895, 50.6816, 53.6729
YIQ	176.7180, -43.9650, -23.7170

Conversions

Conversions Part 2

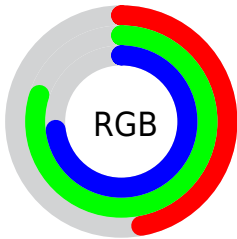
Format	Color
RYB	120, 167, 204
Decimal	7916729
CIELab	76.49, -30.01, 1.47
CIELCh	76, 30.050, 177.199
Yxy	50.6816, 0.2674, 0.3558
Android (android.graphics.Color)	4286106809 (0xFF78CCB9)
YUV	176.7180, 4.0830, -49.7417
Hunter-Lab	71.1910, -29.0809, 5.1333

Details

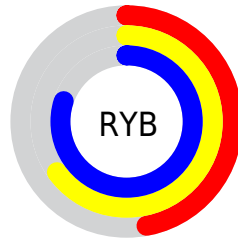
The Yxy color **50.6816, 0.2674, 0.3558** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.1219, 0.3929, 0.3046**, and the grayscale version is **43.8008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1010, 0.2749, 0.3443**, and **24.2847, 0.2551, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **49.1861, 0.2593, 0.3635**, and if you desaturate by 10%, it is **52.4981, 0.2769, 0.3485**.

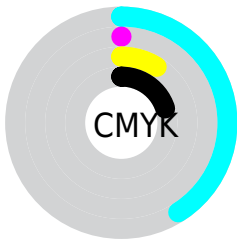
Distribution



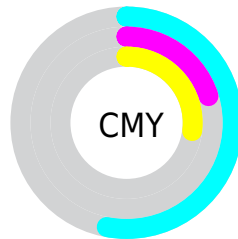
- Red (47%)
- Green (80%)
- Blue (73%)



- Red (47%)
- Yellow (65%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6816, 0.2674, 0.3558 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 50.6816, 0.2674, 0.3558 by changing the saturation by 10% instead.

 50.6816, 0.2674,
0.3558

 50.6816, 0.2674,
0.3558

389.3255, 0.2897,
0.3425


 35.9553, 0.2619,
0.3591


 91.1840, 0.2754,
0.3510

 24.3997, 0.2550,
0.3633


 117.7288, 0.2785,
0.3492

 15.6304, 0.2459,
0.3688


 148.9819, 0.2810,
0.3477

 9.2630, 0.2334,
0.3764

185.3276, 0.2833,
0.3464

 4.9131, 0.2153,
0.3876

227.1505, 0.2852,
0.3452

 2.1964, 0.1869,
0.4055


274.8348, 0.2869,


 0.7180, 0.0000,


0.3442


0.5139

328.7650, 0.2884,
0.3433

 0.0000, 0.0000,
0.0000

 50.6816, 0.2674,
0.3558


 50.6816, 0.2674,
0.3558

 49.1861, 0.2593,
0.3635

 52.4981, 0.2769,
0.3485


 47.9856, 0.2528,
0.3716


 54.6479, 0.2876,
0.3417


 47.0599, 0.2482,
0.3799


 57.1497, 0.2991,
0.3354


 46.3834, 0.2456,
0.3882

 60.0192, 0.3112,
0.3297

 45.9258, 0.2449,
0.3966


 63.2712, 0.3236,
0.3245

 45.6559, 0.2455,
0.4038

 66.9195, 0.3361,
0.3199

 69.4769, 0.3425,
0.3156

 69.7208, 0.3390,
0.3109

 69.9716, 0.3355,
0.3063

Harmonies

Analogous

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



50.6816, 0.3040, 0.3892



50.6816, 0.2674, 0.3558



50.6816, 0.2437, 0.3158

Triad

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



50.6816, 0.2674, 0.3558



50.6816, 0.2779, 0.2642



50.6816, 0.3939, 0.3675

Complementary

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



50.6816, 0.2674, 0.3558



28.1219, 0.3929, 0.3046

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.



50.6816, 0.3868, 0.3349



50.6816, 0.2674, 0.3558



50.6816, 0.3174, 0.2778

Square

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



50.6816, 0.2674, 0.3558



50.6816, 0.2496, 0.2655



50.6816, 0.3580, 0.3029



50.6816, 0.3778, 0.3932

Rectangle

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



50.6816, 0.2674, 0.3558



50.6816, 0.2375, 0.2926



50.6816, 0.3580, 0.3029



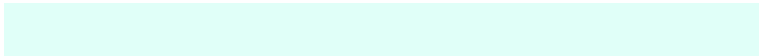
50.6816, 0.3942, 0.3570

Sweetspot

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



50.6836, 0.2674, 0.3558



94.2135, 0.2980, 0.3359



50.0838, 0.3208, 0.4498



20.0425, 0.2965, 0.3367



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.



50.6836, 0.2674, 0.3558



81.8015, 0.2604, 0.3623



41.6396, 0.2516, 0.2969



12.6819, 0.3013, 0.3343



28.7471, 0.2452, 0.4027



1.4940, 0.2407, 0.3865

Inverse Universe

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



28.1219, 0.3929, 0.3046



39.7178, 0.4187, 0.3000



33.6483, 0.4048, 0.3583



11.2545, 0.3255, 0.3238



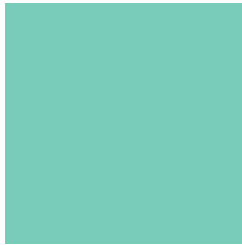
8.2166, 0.5984, 0.3070



0.4358, 0.5420, 0.2760

Previews

White Background



This preview shows how the Yxy color 50.6816, 0.2674, 0.3558 looks on a white background.

Color Contrast Check

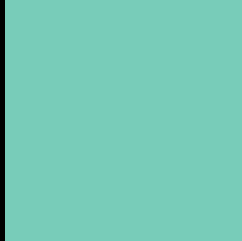
Large Text (above 18pt) WCAG AA × Fail

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 50.6816, 0.2674, 0.3558 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

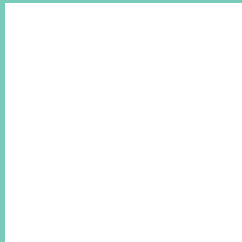
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6816, 0.2674, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 50.6816, 0.2674, 0.3558.



This preview shows how white text looks on a background with the Yxy color 50.6816, 0.2674, 0.3558.

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

50.6816, 0.2674, 0.3558

Protanopia

50.1446, 0.3273, 0.3429

Deuteranopia

50.1527, 0.3260, 0.3193



Tritanopia

50.8556, 0.2537, 0.3075

Trichromacy



Original Color

50.6816, 0.2674, 0.3558

Protanomaly

49.6101, 0.3023, 0.3476

Deuteranomaly

49.4564, 0.3013, 0.3316

Tritanomaly

50.5410, 0.2583, 0.3234

Monochromacy



Original Color

50.6816, 0.2674, 0.3558

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.9039, 0.2930, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6816, 0.2674, 0.3558 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(120, 204, 185)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 185)  
}
```

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(120, 204, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 185) }
```

Border

The CSS property to change the border of an element to Yxy 50.6816, 0.2674, 0.3558 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(120, 204, 185) }
```

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

```
.border{ border-color:rgb(120, 204, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 185);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6816, 0.2674, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 185) }
```

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

```
.background{ background-color: rgb(120,  
204, 185) }
```

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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