

Converting Colors

$Y_{xy}(49.5192, 0.2812, 0.3533)$

Have a look what the booklet for
Yxy(49.5192, 0.2812, 0.3533)
contains.

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Color

Yxy(49.7585, 0.2816, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	8CC7B5
RGB	140, 199, 181
RGB Percent	55%, 78%, 71%
CMY	0.4508, 0.2196, 0.2903
CMYK	0.30, 0.00, 0.09, 0.22
HSL	162°, 34%, 66%
HSV	162°, 30%, 78%
XYZ	39.5819, 49.7585, 51.2203
YIQ	179.3070, -29.3860, -18.1060

Conversions

Conversions Part 2

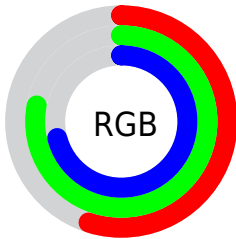
Format	Color
RYB	140, 175, 199
Decimal	9226165
CIELab	75.92, -22.83, 2.94
CIELCh	76, 23.014, 172.664
Yxy	49.7585, 0.2816, 0.3540
Android (android.graphics.Color)	4287416245 (0xFF8CC7B5)
YUV	179.3070, 0.8346, -34.4722
Hunter-Lab	70.5397, -23.2829, 6.3261

Details

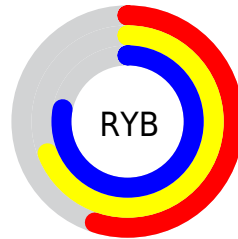
The Yxy color **49.7585, 0.2816, 0.3540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3810, 0.3580, 0.3055**, and the grayscale version is **45.2632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2365, 0.2870, 0.3482**, and **23.8840, 0.2734, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **47.9404, 0.2727, 0.3640**, and if you desaturate by 10%, it is **51.9042, 0.2915, 0.3448**.

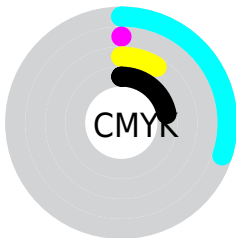
Distribution



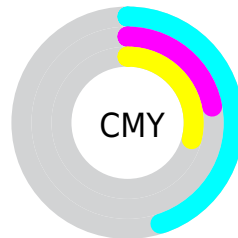
- Red (55%)
- Green (78%)
- Blue (71%)



- Red (55%)
- Yellow (69%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7585, 0.2816, 0.3540 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 49.7585, 0.2816, 0.3540 by changing the saturation by 10% instead.


 49.7585, 0.2816,
0.3540


 49.7585, 0.2816,
0.3540


385.7208, 0.2970,
0.3415

 35.2215, 0.2778,
0.3571


 89.8170, 0.2872,
0.3494

 23.8336, 0.2729,
0.3612


 116.1072, 0.2893,
0.3477

 15.2102, 0.2664,
0.3665


 147.0841, 0.2911,
0.3463

 8.9671, 0.2575,
0.3741

183.1319, 0.2926,
0.3451

 4.7197, 0.2442,
0.3853

224.6351, 0.2939,
0.3440

 2.0838, 0.2228,
0.4040

271.9781, 0.2951,

 0.6555, 0.0535,

0.3430

0.5331

325.5451, 0.2961,
0.3422

0.0000, 0.0000,
0.0000

49.7585, 0.2816,
0.3540

49.7585, 0.2816,
0.3540

47.9404, 0.2727,
0.3640

51.9042, 0.2915,
0.3448

46.4268, 0.2650,
0.3746

54.3871, 0.3021,
0.3364

45.2012, 0.2589,
0.3857

57.2240, 0.3131,
0.3287

44.2429, 0.2547,
0.3972

60.4287, 0.3243,
0.3219

43.5284, 0.2524,
0.4088

64.0141, 0.3355,
0.3158

■ 43.0301, 0.2520,
0.4204

■ 67.1409, 0.3431,
0.3103

■ 42.6975, 0.2534,
0.4319

■ 67.4642, 0.3384,
0.3042

■ 42.6861, 0.2534,
0.4323

■ 67.7994, 0.3338,
0.2982

■ 68.1465, 0.3292,
0.2923

Harmonies

Analogous

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



49.7585, 0.3112, 0.3773



49.7585, 0.2816, 0.3540



49.7585, 0.2609, 0.3239

Triad

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



49.7585, 0.2816, 0.3540



49.7585, 0.2819, 0.2775



49.7585, 0.3755, 0.3561

Complementary

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



49.7585, 0.2816, 0.3540



33.3810, 0.3580, 0.3055

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.



49.7585, 0.3672, 0.3303



49.7585, 0.2816, 0.3540



49.7585, 0.3118, 0.2865

Square

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



49.7585, 0.2816, 0.3540



49.7585, 0.2611, 0.2809



49.7585, 0.3433, 0.3054



49.7585, 0.3661, 0.3767

Rectangle

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



49.7585, 0.2816, 0.3540



49.7585, 0.2545, 0.3052



49.7585, 0.3433, 0.3054



49.7585, 0.3747, 0.3478

Sweetspot

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



49.7605, 0.2816, 0.3540



95.4605, 0.3026, 0.3360



50.0824, 0.3232, 0.4108



20.2859, 0.3010, 0.3371



0.0000, 0.0000, 0.0000



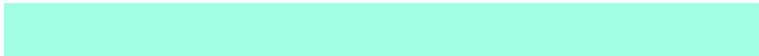
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7605, 0.2816, 0.3540



84.8702, 0.2753, 0.3608



45.7501, 0.2687, 0.3140



12.0102, 0.3024, 0.3362



27.4647, 0.2530, 0.4307



1.3129, 0.2464, 0.4068

Inverse Universe

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



33.3810, 0.3580, 0.3055



51.2986, 0.3729, 0.2998



36.1216, 0.3740, 0.3434



10.6894, 0.3242, 0.3220



8.0370, 0.5719, 0.2924



0.3937, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 49.7585, 0.2816, 0.3540 looks on a white background.

Color Contrast Check

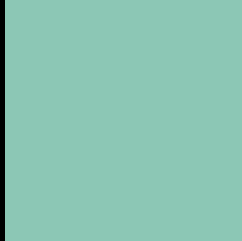
Large Text (above 18pt) WCAG AA × Fail

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 49.7585, 0.2816, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

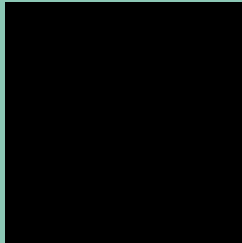
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7585, 0.2816, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 49.7585, 0.2816, 0.3540.



This preview shows how white text looks on a background with the Yxy color 49.7585, 0.2816, 0.3540.

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

49.7585, 0.2816, 0.3540

Protanopia

49.5113, 0.3281, 0.3443

Deuteranopia

49.1244, 0.3304, 0.3229



Tritanopia

49.7943, 0.2669, 0.3091

Trichromacy



Original Color

49.7585, 0.2816, 0.3540

Protanomaly

49.4346, 0.3094, 0.3475

Deuteranomaly

48.8251, 0.3101, 0.3329

Tritanomaly

49.5327, 0.2725, 0.3248

Monochromacy



Original Color

49.7585, 0.2816, 0.3540

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4124, 0.3001, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7585, 0.2816, 0.3540 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(140, 199, 181)` looks like.

```
.text, #text, p{  
    color:rgb(140, 199, 181)  
}
```

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(140, 199, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 199, 181) }
```

Border

The CSS property to change the border of an element to Yxy 49.7585, 0.2816, 0.3540 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(140, 199, 181) }
```

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

```
.border{ border-color:rgb(140, 199, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 199, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 199, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 199, 181);  
box-shadow:4px 4px 4px 4px rgb(140, 199,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7585, 0.2816, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 199, 181) }
```

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

```
.background{ background-color: rgb(140,  
199, 181) }
```

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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