

Converting Colors

$Y_{xy}(50.6322, 0.2821, 0.3441)$

Have a look what the booklet for
Yxy(50.6322, 0.2821, 0.3441)
contains.

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Color

Yxy(50.6807, 0.2818, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	93C7BC
RGB	147, 199, 188
RGB Percent	58%, 78%, 74%
CMY	0.4236, 0.2196, 0.2628
CMYK	0.26, 0.00, 0.06, 0.22
HSL	167°, 32%, 68%
HSV	167°, 26%, 78%
XYZ	41.5290, 50.6807, 55.1608
YIQ	182.1980, -27.4610, -14.4450

Conversions

Conversions Part 2

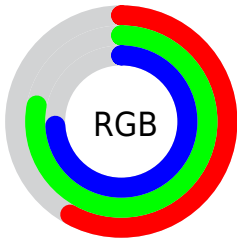
Format	Color
RYB	147, 176, 199
Decimal	9684924
CIELab	76.49, -19.23, 0.02
CIElCh	76, 19.234, 179.937
Yxy	50.6807, 0.2818, 0.3439
Android (android.graphics.Color)	4287875004 (0xFF93C7BC)
YUV	182.1980, 2.8604, -30.8686
Hunter-Lab	71.1904, -20.4550, 3.8933

Details

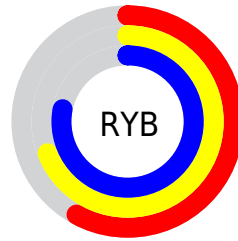
The Yxy color **50.6807, 0.2818, 0.3439** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4742, 0.3563, 0.3147**, and the grayscale version is **46.8864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6082, 0.2873, 0.3405**, and **24.4330, 0.2735, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **48.8204, 0.2715, 0.3505**, and if you desaturate by 10%, it is **52.8687, 0.2931, 0.3378**.

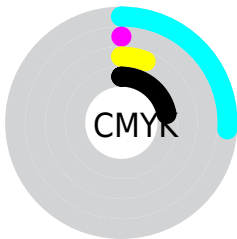
Distribution



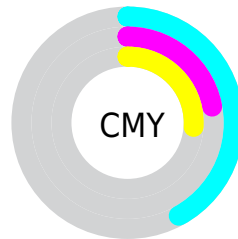
- Red (58%)
- Green (78%)
- Blue (74%)



- Red (58%)
- Yellow (69%)
- Blue (78%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (42%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6807, 0.2818, 0.3439 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 50.6807, 0.2818, 0.3439 by changing the saturation by 10% instead.


 50.6807, 0.2818,
0.3439

 50.6807, 0.2818,
0.3439


389.3220, 0.2970,
0.3366

 35.9546, 0.2781,
0.3457


 91.1826, 0.2873,
0.3413

 24.3991, 0.2733,
0.3480


 117.7272, 0.2893,
0.3403

 15.6299, 0.2671,
0.3510


148.9800, 0.2911,
0.3394

 9.2627, 0.2585,
0.3551

185.3255, 0.2926,
0.3387

 4.9129, 0.2460,
0.3611

227.1481, 0.2939,
0.3381

 2.1963, 0.2262,
0.3707

274.8320, 0.2951,

 0.7180, 0.1244,

0.3375

0.4196

328.7619, 0.2961,
0.3370

0.0000, 0.0000,
0.0000

50.6807, 0.2818,
0.3439

50.6807, 0.2818,
0.3439

48.8204, 0.2715,
0.3505

52.8687, 0.2931,
0.3378

47.2652, 0.2625,
0.3575

55.3934, 0.3051,
0.3322

45.9991, 0.2550,
0.3649

58.2712, 0.3176,
0.3271

45.0026, 0.2494,
0.3725

61.5156, 0.3302,
0.3226

44.2532, 0.2456,
0.3802

65.1392, 0.3429,
0.3185

■ 43.7251, 0.2438,
0.3880

■ 66.9299, 0.3464,
0.3145

■ 43.3854, 0.2438,
0.3957

■ 67.1473, 0.3431,
0.3102

■ 43.2800, 0.2441,
0.3987

■ 67.3703, 0.3398,
0.3060

■ 67.5989, 0.3366,
0.3018

Harmonies

Analogous

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



50.6807, 0.3053, 0.3650



50.6807, 0.2818, 0.3439



50.6807, 0.2668, 0.3191

Triad

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



50.6807, 0.2818, 0.3439



50.6807, 0.2927, 0.2867



50.6807, 0.3642, 0.3567

Complementary

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



50.6807, 0.2818, 0.3439



35.4742, 0.3563, 0.3147

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.



50.6807, 0.3608, 0.3357



50.6807, 0.2818, 0.3439



50.6807, 0.3186, 0.2965

Square

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



50.6807, 0.2818, 0.3439



50.6807, 0.2729, 0.2871



50.6807, 0.3438, 0.3141



50.6807, 0.3533, 0.3716

Rectangle

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



50.6807, 0.2818, 0.3439



50.6807, 0.2633, 0.3045



50.6807, 0.3438, 0.3141



50.6807, 0.3648, 0.3501

Sweetspot

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



50.6828, 0.2818, 0.3439



96.0588, 0.3027, 0.3332



50.2522, 0.3180, 0.4011



20.4116, 0.3008, 0.3341



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.



50.6828, 0.2818, 0.3439



86.9319, 0.2762, 0.3474



44.7180, 0.2730, 0.3087



12.0276, 0.3012, 0.3339



27.8402, 0.2438, 0.3976



1.3282, 0.2393, 0.3816

Inverse Universe

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



35.4742, 0.3563, 0.3147



56.1280, 0.3684, 0.3117



39.9927, 0.3632, 0.3484



10.6731, 0.3257, 0.3241



7.9266, 0.6022, 0.3091



0.3863, 0.5431, 0.2766

Previews

White Background



This preview shows how the Yxy color 50.6807, 0.2818, 0.3439 looks on a white background.

Color Contrast Check

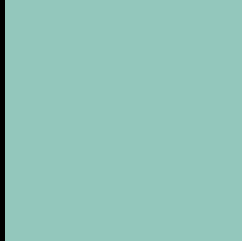
Large Text (above 18pt) WCAG AA × Fail

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 50.6807, 0.2818, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

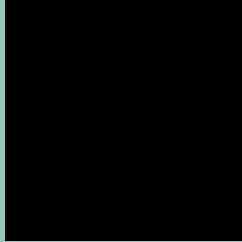
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

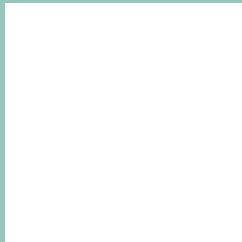
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6807, 0.2818, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 50.6807, 0.2818, 0.3439.

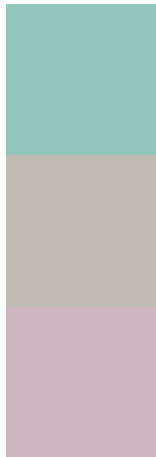


This preview shows how white text looks on a background with the Yxy color 50.6807, 0.2818, 0.3439.

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

50.6807, 0.2818, 0.3439

Protanopia

50.2143, 0.3224, 0.3366

Deuteranopia

50.1966, 0.3252, 0.3181



Tritanopia

50.8584, 0.2703, 0.3093

Trichromacy



Original Color

50.6807, 0.2818, 0.3439

Protanomaly

49.9524, 0.3058, 0.3381

Deuteranomaly

49.8745, 0.3079, 0.3264

Tritanomaly

50.7283, 0.2741, 0.3209

Monochromacy



Original Color

50.6807, 0.2818, 0.3439

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8621, 0.3003, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6807, 0.2818, 0.3439 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(147, 199, 188)` looks like.

```
.text, #text, p{  
    color:rgb(147, 199, 188)  
}
```

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(147, 199, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 199, 188) }
```

Border

The CSS property to change the border of an element to Yxy 50.6807, 0.2818, 0.3439 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(147, 199, 188) }
```

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

```
.border{ border-color:rgb(147, 199, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 199, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 199, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 199, 188);  
box-shadow:4px 4px 4px 4px rgb(147, 199,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6807, 0.2818, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 199, 188) }
```

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

```
.background{ background-color: rgb(147,  
199, 188) }
```

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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