

Converting Colors

$Y_{xy}(49.2496, 0.2849, 0.3954)$

Have a look what the booklet for
Yxy(49.2496, 0.2849, 0.3954)
contains.

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Color

Yxy(49.3181, 0.2847, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	7ACB9E
RGB	122, 203, 158
RGB Percent	48%, 80%, 62%
CMY	0.5218, 0.2039, 0.3804
CMYK	0.40, 0.00, 0.22, 0.20
HSL	147°, 44%, 64%
HSV	147°, 40%, 80%
XYZ	35.5465, 49.3181, 39.9914
YIQ	173.6510, -33.8310, -31.1670

Conversions

Conversions Part 2

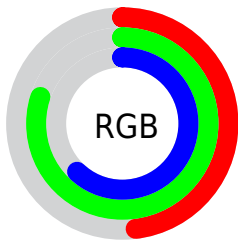
Format	Color
RYB	122, 178, 203
Decimal	8047518
CIELab	75.65, -34.80, 14.79
CIELCh	76, 37.811, 156.980
Yxy	49.3181, 0.2847, 0.3950
Android (android.graphics.Color)	4286237598 (0xFF7ACB9E)
YUV	173.6510, -7.7159, -45.2979
Hunter-Lab	70.2268, -32.5462, 15.3955

Details

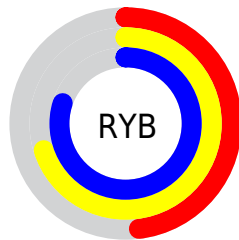
The Yxy color **49.3181, 0.2847, 0.3950** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.3907, 0.3566, 0.2718**, and the grayscale version is **42.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6712, 0.2896, 0.3764**, and **23.4703, 0.2755, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **47.6201, 0.2795, 0.4153**, and if you desaturate by 10%, it is **51.3652, 0.2909, 0.3760**.

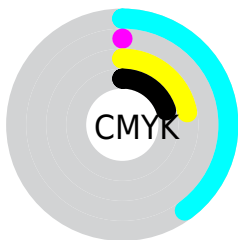
Distribution



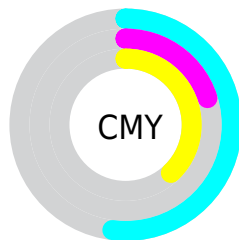
- Red (48%)
- Green (80%)
- Blue (62%)



- Red (48%)
- Yellow (70%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3181, 0.2847, 0.3950 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 49.3181, 0.2847, 0.3950 by changing the saturation by 10% instead.


 49.3181, 0.2847,
0.3950


 49.3181, 0.2847,
0.3950


383.9933, 0.2993,
0.3609

 34.8719, 0.2809,
0.4039


 89.1637, 0.2901,
0.3823

 23.5642, 0.2759,
0.4155


 115.3319, 0.2921,
0.3777

 15.0107, 0.2691,
0.4313


 146.1762, 0.2938,
0.3737

 8.8269, 0.2592,
0.4541

182.0810, 0.2952,
0.3704

 4.6284, 0.2437,
0.4894

223.4307, 0.2964,
0.3675

 2.0309, 0.2166,
0.5518

270.6098, 0.2975,

 0.6254, 0.0000,

0.3650

1.0000

324.0025, 0.2984,
0.3628

0.0000, 0.0000,
0.0000

49.3181, 0.2847,
0.3950

49.3181, 0.2847,
0.3950

47.6201, 0.2795,
0.4153

51.3652, 0.2909,
0.3760

46.2448, 0.2756,
0.4367

53.7741, 0.2979,
0.3587

45.1715, 0.2734,
0.4584


56.5640, 0.3052,
0.3430

44.3747, 0.2730,
0.4800


59.7511, 0.3128,
0.3289

43.8239, 0.2746,
0.5007

63.3507, 0.3203,
0.3165


 43.4638, 0.2778,
0.5199

 67.3771, 0.3277,
0.3055

 43.4617, 0.2778,
0.5200

 70.0873, 0.3280,
0.2952

 70.7668, 0.3199,
0.2845

 71.1986, 0.3151,
0.2782

Harmonies

Analogous

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



49.3181, 0.3354, 0.4216



49.3181, 0.2847, 0.3950



49.3181, 0.2437, 0.3459

Triad

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



49.3181, 0.2847, 0.3950



49.3181, 0.2431, 0.2471



49.3181, 0.4133, 0.3486

Complementary

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



49.3181, 0.2847, 0.3950



29.3907, 0.3566, 0.2718

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.



49.3181, 0.3846, 0.3082



49.3181, 0.2847, 0.3950



49.3181, 0.2836, 0.2522

Square

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



49.3181, 0.2847, 0.3950



49.3181, 0.2216, 0.2614



49.3181, 0.3356, 0.2741



49.3181, 0.4117, 0.3880

Rectangle

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



49.3181, 0.2847, 0.3950



49.3181, 0.2266, 0.3115



49.3181, 0.3356, 0.2741



49.3181, 0.4069, 0.3349

Sweetspot

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



49.3201, 0.2847, 0.3950



93.6049, 0.3036, 0.3463



52.4340, 0.3422, 0.4378



19.8991, 0.3026, 0.3483



0.0000, 0.0000, 0.0000



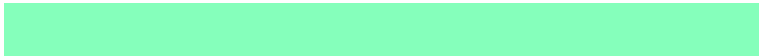
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3201, 0.2847, 0.3950



80.0635, 0.2801, 0.4126



50.9108, 0.2611, 0.3363



12.6185, 0.3056, 0.3422



27.6722, 0.2771, 0.5174



1.4428, 0.2664, 0.4790

Inverse Universe

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



29.3907, 0.3566, 0.2718



42.1222, 0.3704, 0.2598



28.1436, 0.4057, 0.3222



11.3162, 0.3205, 0.3162



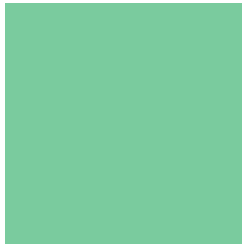
8.8533, 0.4711, 0.2369



0.4719, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 49.3181, 0.2847, 0.3950 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 49.3181, 0.2847, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

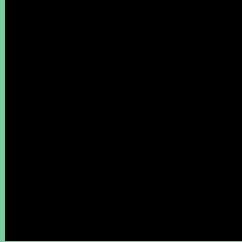
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3181, 0.2847, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 49.3181, 0.2847, 0.3950.

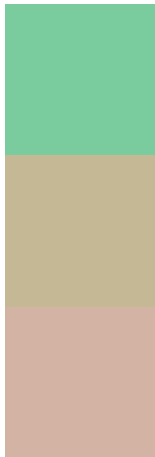


This preview shows how white text looks on a background with the Yxy color 49.3181, 0.2847, 0.3950.

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

49.3181, 0.2847, 0.3950

Protanopia

48.7382, 0.3524, 0.3750

Deuteranopia

48.7334, 0.3548, 0.3487



Tritanopia

49.3017, 0.2585, 0.3074

Trichromacy



Original Color

49.3181, 0.2847, 0.3950

Protanomaly

48.5123, 0.3248, 0.3835

Deuteranomaly

48.1234, 0.3261, 0.3649

Tritanomaly

49.3984, 0.2683, 0.3386

Monochromacy



Original Color

49.3181, 0.2847, 0.3950

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.4936, 0.3009, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3181, 0.2847, 0.3950 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(122, 203, 158)` looks like.

```
.text, #text, p{  
    color:rgb(122, 203, 158)  
}
```

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(122, 203, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 203, 158) }
```

Border

The CSS property to change the border of an element to Yxy 49.3181, 0.2847, 0.3950 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(122, 203, 158) }
```

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

```
.border{ border-color:rgb(122, 203, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 203, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 203, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 203, 158);  
box-shadow:4px 4px 4px 4px rgb(122, 203,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3181, 0.2847, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 203, 158) }
```

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

```
.background{ background-color: rgb(122,  
203, 158) }
```

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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