

Converting Colors

$Y_{xy}(49.9270, 0.2809, 0.3783)$

Have a look what the booklet for
Yxy(49.9270, 0.2809, 0.3783)
contains.

Yxy(50.0121, 0.2804, 0.3778)	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(50.0121, 0.2804, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	7ECBA9
RGB	126, 203, 169
RGB Percent	49%, 80%, 66%
CMY	0.5061, 0.2039, 0.3371
CMYK	0.38, 0.00, 0.17, 0.20
HSL	154°, 43%, 65%
HSV	154°, 38%, 80%
XYZ	37.1186, 50.0121, 45.2465
YIQ	176.1010, -34.9780, -26.8980

Conversions

Conversions Part 2

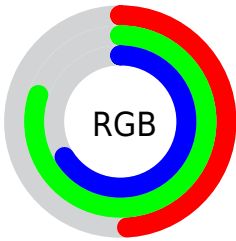
Format	Color
RYB	126, 175, 203
Decimal	8309673
CIELab	76.08, -31.41, 9.51
CIElCh	76, 32.817, 163.162
Yxy	50.0121, 0.2804, 0.3778
Android (android.graphics.Color)	4286499753 (0xFF7ECBA9)
YUV	176.1010, -3.5008, -43.9386
Hunter-Lab	70.7192, -30.0690, 11.5694

Details

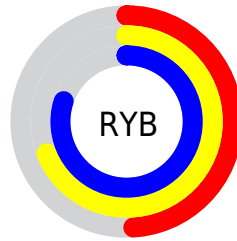
The Yxy color **50.0121, 0.2804, 0.3778** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.1440, 0.3639, 0.2855**, and the grayscale version is **43.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7256, 0.2861, 0.3634**, and **23.8419, 0.2706, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **48.3000, 0.2738, 0.3935**, and if you desaturate by 10%, it is **52.0644, 0.2881, 0.3632**.

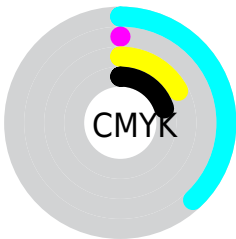
Distribution



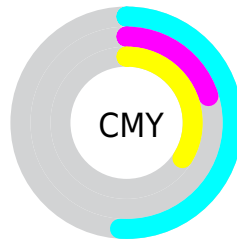
- Red (49%)
- Green (80%)
- Blue (66%)



- Red (49%)
- Yellow (69%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0121, 0.2804, 0.3778 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 50.0121, 0.2804, 0.3778 by changing the saturation by 10% instead.


 50.0121, 0.2804,
0.3778

 50.0121, 0.2804,
0.3778


386.7133, 0.2967,
0.3529

 35.4230, 0.2763,
0.3842


 90.1928, 0.2864,
0.3686

 23.9889, 0.2709,
0.3925


 116.5532, 0.2886,
0.3652

 15.3254, 0.2638,
0.4037


 147.6062, 0.2905,
0.3624

 9.0481, 0.2538,
0.4196

183.7361, 0.2921,
0.3599

 4.7726, 0.2386,
0.4441

225.3274, 0.2935,
0.3578

 2.1144, 0.2133,
0.4861

272.7644, 0.2947,

 0.6727, 0.0000,

0.3559

0.9083

326.4316, 0.2958,
0.3543

0.0000, 0.0000,
0.0000

50.0121, 0.2804,
0.3778

50.0121, 0.2804,
0.3778

48.3000, 0.2738,
0.3935

52.0644, 0.2881,
0.3632

46.9025, 0.2686,
0.4100

54.4686, 0.2965,
0.3499

45.8000, 0.2652,
0.4271


57.2436, 0.3054,
0.3377


44.9680, 0.2636,
0.4444


60.4046, 0.3146,
0.3269

44.3780, 0.2641,
0.4615

63.9665, 0.3238,
0.3172

 43.9880, 0.2665,
0.4780

 67.9430, 0.3329,
0.3087

 43.9194, 0.2670,
0.4813

 69.7852, 0.3318,
0.3002

 70.3062, 0.3253,
0.2916

 70.8534, 0.3189,
0.2832

Harmonies

Analogous

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



50.0121, 0.3238, 0.4057



50.0121, 0.2804, 0.3778



50.0121, 0.2472, 0.3346

Triad

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



50.0121, 0.2804, 0.3778



50.0121, 0.2582, 0.2569



50.0121, 0.4015, 0.3543

Complementary

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



50.0121, 0.2804, 0.3778



30.1440, 0.3639, 0.2855

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.



50.0121, 0.3817, 0.3183



50.0121, 0.2804, 0.3778



50.0121, 0.2965, 0.2645

Square

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



50.0121, 0.2804, 0.3778



50.0121, 0.2354, 0.2663



50.0121, 0.3422, 0.2865



50.0121, 0.3951, 0.3872

Rectangle

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



50.0121, 0.2804, 0.3778



50.0121, 0.2345, 0.3060



50.0121, 0.3422, 0.2865



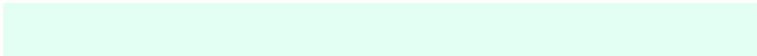
50.0121, 0.3977, 0.3423

Sweetspot

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



50.0141, 0.2804, 0.3778



94.2915, 0.3026, 0.3415



51.7601, 0.3336, 0.4345



20.0436, 0.3013, 0.3431



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.



50.0141, 0.2804, 0.3778



81.2225, 0.2746, 0.3913



49.6634, 0.2595, 0.3236



12.6402, 0.3041, 0.3394



27.9658, 0.2664, 0.4791



1.4578, 0.2574, 0.4468

Inverse Universe

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



30.1440, 0.3639, 0.2855



43.0438, 0.3812, 0.2757



30.1174, 0.4035, 0.3343



11.2945, 0.3222, 0.3188



8.5623, 0.5190, 0.2633



0.4569, 0.4706, 0.2366

Previews

White Background



This preview shows how the Yxy color 50.0121, 0.2804, 0.3778 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 50.0121, 0.2804, 0.3778 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

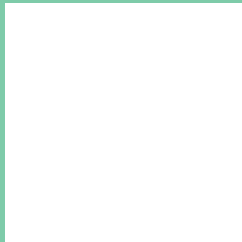
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0121, 0.2804, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 50.0121, 0.2804, 0.3778.

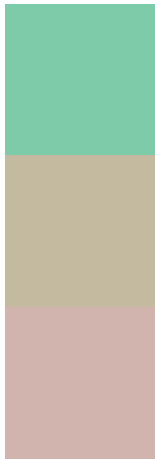


This preview shows how white text looks on a background with the Yxy color 50.0121, 0.2804, 0.3778.

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

50.0121, 0.2804, 0.3778

Protanopia

49.3916, 0.3422, 0.3621

Deuteranopia

49.2538, 0.3432, 0.3364



Tritanopia

49.9708, 0.2593, 0.3076

Trichromacy



Original Color

50.0121, 0.2804, 0.3778



Protanomaly

49.0015, 0.3174, 0.3681



Deuteranomaly

48.5287, 0.3175, 0.3501



Tritanomaly

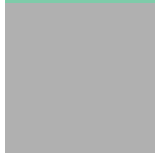
49.7836, 0.2666, 0.3316

Monochromacy



Original Color

50.0121, 0.2804, 0.3778



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.4040, 0.2996, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0121, 0.2804, 0.3778 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(126, 203, 169)` looks like.

```
.text, #text, p{  
    color:rgb(126, 203, 169)  
}
```

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(126, 203, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 203, 169) }
```

Border

The CSS property to change the border of an element to Yxy 50.0121, 0.2804, 0.3778 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(126, 203, 169) }
```

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

```
.border{ border-color:rgb(126, 203, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 203, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 203, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 203, 169);  
box-shadow:4px 4px 4px 4px rgb(126, 203,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0121, 0.2804, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 203, 169) }
```

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

```
.background{ background-color: rgb(126,  
203, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor