

Converting Colors

$Yxy(49.6185, 0.2876, 0.4074)$

Have a look what the booklet for
Yxy(49.6185, 0.2876, 0.4074)
contains.

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Color

Yxy(49.4132, 0.2879, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	78CC97
RGB	120, 204, 151
RGB Percent	47%, 80%, 59%
CMY	0.5293, 0.2000, 0.4078
CMYK	0.41, 0.00, 0.26, 0.20
HSL	142°, 45%, 64%
HSV	142°, 41%, 80%
XYZ	34.9277, 49.4132, 36.9780
YIQ	172.8420, -33.0510, -34.2910

Conversions

Conversions Part 2

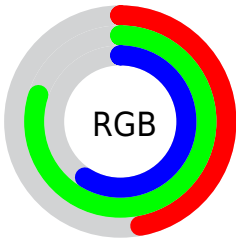
Format	Color
RYB	120, 181, 204
Decimal	7916695
CIELab	75.71, -37.16, 18.58
CIElCh	76, 41.542, 153.434
Yxy	49.4132, 0.2879, 0.4073
Android (android.graphics.Color)	4286106775 (0xFF78CC97)
YUV	172.8420, -10.7681, -46.3424
Hunter-Lab	70.2945, -34.3229, 18.0170

Details

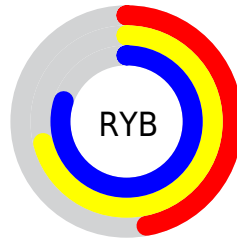
The Yxy color **49.4132, 0.2879, 0.4073** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2949, 0.3510, 0.2625**, and the grayscale version is **41.7773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0417, 0.2926, 0.3861**, and **23.5388, 0.2791, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **47.7126, 0.2835, 0.4307**, and if you desaturate by 10%, it is **51.4743, 0.2932, 0.3853**.

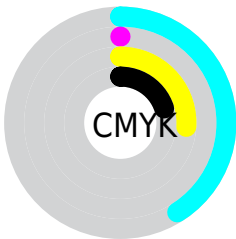
Distribution



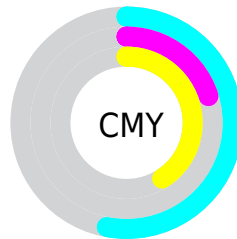
- Red (47%)
- Green (80%)
- Blue (59%)



- Red (47%)
- Yellow (71%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4132, 0.2879, 0.4073 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 49.4132, 0.2879, 0.4073 by changing the saturation by 10% instead.


 49.4132, 0.2879,
0.4073

 49.4132, 0.2879,
0.4073


384.3667, 0.3012,
0.3666

 34.9474, 0.2843,
0.4180


 89.3048, 0.2929,
0.3921

 23.6223, 0.2796,
0.4319


 115.4994, 0.2947,
0.3866

 15.0537, 0.2729,
0.4510


 146.3724, 0.2963,
0.3819

 8.8571, 0.2631,
0.4785

182.3081, 0.2975,
0.3779

 4.6481, 0.2473,
0.5212

223.6911, 0.2986,
0.3745

 2.0423, 0.2205,
0.6038

270.9055, 0.2996,


 0.6319, 0.0000,


0.3715

1.0000


324.3360, 0.3004,
0.3689


 0.0000, 0.0000,
0.0000

 49.4132, 0.2879,
0.4073


 49.4132, 0.2879,
0.4073

 47.7126, 0.2835,
0.4307


 51.4743, 0.2932,
0.3853

 46.3449, 0.2804,
0.4551

 53.9093, 0.2992,
0.3652

 45.2886, 0.2789,
0.4797


 56.7384, 0.3055,
0.3470


 44.5165, 0.2792,
0.5034

 59.9784, 0.3120,
0.3308


 43.9966, 0.2812,
0.5254


 63.6452, 0.3184,
0.3164

 43.6971, 0.2841,
0.5428

 67.7539, 0.3247,
0.3038

 70.8037, 0.3248,
0.2921

 71.6011, 0.3157,
0.2801

 71.6655, 0.3151,
0.2792

Harmonies

Analogous

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



49.4132, 0.3436, 0.4324



49.4132, 0.2879, 0.4073



49.4132, 0.2415, 0.3543

Triad

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



49.4132, 0.2879, 0.4073



49.4132, 0.2329, 0.2405



49.4132, 0.4211, 0.3443

Complementary

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



49.4132, 0.2879, 0.4073



29.2949, 0.3510, 0.2625

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.



49.4132, 0.3861, 0.3012



49.4132, 0.2879, 0.4073



49.4132, 0.2745, 0.2440

Square

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



49.4132, 0.2879, 0.4073



49.4132, 0.2124, 0.2582



49.4132, 0.3306, 0.2657



49.4132, 0.4231, 0.3878

Rectangle

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



49.4132, 0.2879, 0.4073



49.4132, 0.2213, 0.3156



49.4132, 0.3306, 0.2657



49.4132, 0.4128, 0.3295

Sweetspot

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



49.4152, 0.2879, 0.4073



93.4694, 0.3049, 0.3487



53.4504, 0.3476, 0.4396



19.8673, 0.3040, 0.3510



0.0000, 0.0000, 0.0000



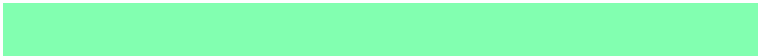
21.4041, 0.3127, 0.3290

Same Dimension

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



49.4152, 0.2879, 0.4073



79.4103, 0.2841, 0.4271



51.0221, 0.2630, 0.3445



12.6043, 0.3066, 0.3440



27.5202, 0.2834, 0.5402



1.4343, 0.2721, 0.4996

Inverse Universe

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



29.2949, 0.3510, 0.2625



41.8371, 0.3621, 0.2495



27.9218, 0.4028, 0.3147



11.3308, 0.3193, 0.3145



9.0917, 0.4403, 0.2199



0.4834, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 49.4132, 0.2879, 0.4073 looks on a white background.

Color Contrast Check

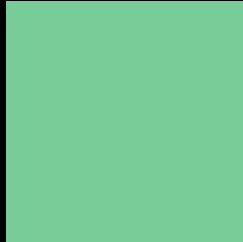
Large Text (above 18pt) WCAG AA × Fail

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 49.4132, 0.2879, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

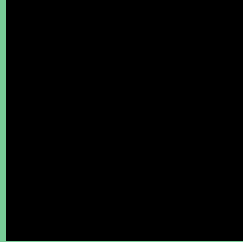
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4132, 0.2879, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 49.4132, 0.2879, 0.4073.



This preview shows how white text looks on a background with the Yxy color 49.4132, 0.2879, 0.4073.

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

49.4132, 0.2879, 0.4073

Protanopia

48.6567, 0.3591, 0.3838

Deuteranopia

48.9707, 0.3628, 0.3558



Tritanopia

49.3017, 0.2585, 0.3074

Trichromacy



Original Color

49.4132, 0.2879, 0.4073



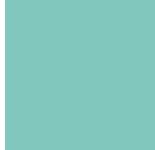
Protanomaly

48.2897, 0.3301, 0.3932



Deuteranomaly

48.0363, 0.3317, 0.3730



Tritanomaly

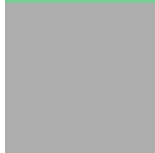
49.2317, 0.2689, 0.3415

Monochromacy



Original Color

49.4132, 0.2879, 0.4073



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.8676, 0.3024, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4132, 0.2879, 0.4073 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 151) }
```

Border

The CSS property to change the border of an element to Yxy 49.4132, 0.2879, 0.4073 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, 151) }
```

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

```
.border{ border-color:rgb(120, 204, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4132, 0.2879, 0.4073 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, 151) }
```

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

```
.background{ background-color: rgb(120,  
204, 151) }
```

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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