

Converting Colors

$Y_{xy}(49.0282, 0.2802, 0.4170)$

Have a look what the booklet for
Yxy(49.0282, 0.2802, 0.4170)
contains.

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Color

Yxy(49.1643, 0.2799, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	67CE94
RGB	103, 206, 148
RGB Percent	40%, 81%, 58%
CMY	0.5961, 0.1921, 0.4197
CMYK	0.50, 0.00, 0.28, 0.19
HSL	146°, 51%, 61%
HSV	146°, 50%, 81%
XYZ	33.0081, 49.1643, 35.7559
YIQ	168.5910, -42.7700, -39.8740

Conversions

Conversions Part 2

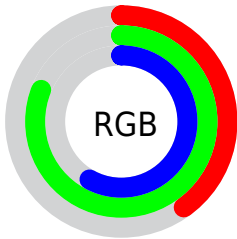
Format	Color
RYB	103, 175, 206
Decimal	6803092
CIELab	75.55, -43.18, 19.87
CIELCh	76, 47.528, 155.290
Yxy	49.1643, 0.2799, 0.4169
Android (android.graphics.Color)	4284993172 (0xFF67CE94)
YUV	168.5910, -10.1514, -57.5233
Hunter-Lab	70.1173, -38.6752, 18.8475

Details

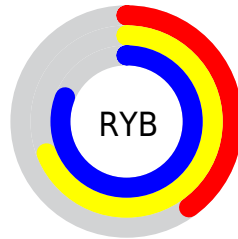
The Yxy color **49.1643, 0.2799, 0.4169** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.3971, 0.3717, 0.2570**, and the grayscale version is **39.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2579, 0.2861, 0.3910**, and **23.5099, 0.2692, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **47.7453, 0.2761, 0.4386**, and if you desaturate by 10%, it is **50.9242, 0.2850, 0.3962**.

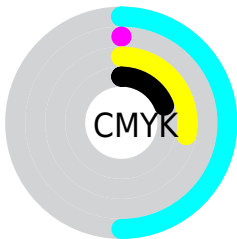
Distribution



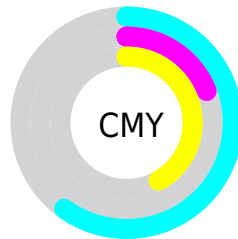
- Red (40%)
- Green (81%)
- Blue (58%)



- Red (40%)
- Yellow (69%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)





- Cyan (60%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1643, 0.2799, 0.4169 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 49.1643, 0.2799, 0.4169 by changing the saturation by 10% instead.


 49.1643, 0.2799,
0.4169


 49.1643, 0.2799,
0.4169


383.3888, 0.2973,
0.3709

 34.7498, 0.2752,
0.4290


 88.9354, 0.2865,
0.3997

 23.4702, 0.2690,
0.4449


 115.0609, 0.2889,
0.3934

 14.9411, 0.2604,
0.4667


 145.8588, 0.2909,
0.3881

 8.7781, 0.2477,
0.4983

 181.7135, 0.2926,
0.3836

 4.5967, 0.2275,
0.5475

223.0095, 0.2940,
0.3798

 2.0126, 0.1891,
0.6532

270.1311, 0.2953,

 0.6148, 0.0000,

0.3764

1.0000

323.4627, 0.2964,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 49.1643, 0.2799,
0.4169

■ 49.1643, 0.2799,
0.4169

■ 47.7453, 0.2761,
0.4386

■ 50.9242, 0.2850,
0.3962

■ 46.6377, 0.2740,
0.4607

■ 53.0402, 0.2912,
0.3769

■ 45.8168, 0.2737,
0.4826

■ 55.5337, 0.2980,
0.3592

■ 45.2510, 0.2753,
0.5034

■ 58.4227, 0.3053,
0.3433

■ 44.8828, 0.2785,
0.5227

■ 61.7239, 0.3127,
0.3290

■ 65.4533, 0.3201,
0.3164

■ 69.6257, 0.3274,
0.3053

■ 71.7456, 0.3249,
0.2944

■ 72.4608, 0.3167,
0.2835

Harmonies

Analogous

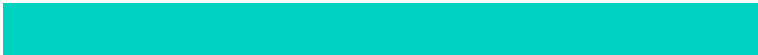
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1643, 0.3429, 0.4479



49.1643, 0.2799, 0.4169



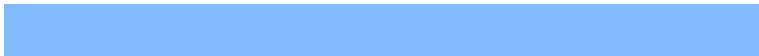
49.1643, 0.2289, 0.3534

Triad

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



49.1643, 0.2799, 0.4169



49.1643, 0.2246, 0.2286



49.1643, 0.4383, 0.3481

Complementary

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



49.1643, 0.2799, 0.4169



25.3971, 0.3717, 0.2570

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.



49.1643, 0.4002, 0.2998



49.1643, 0.2799, 0.4169



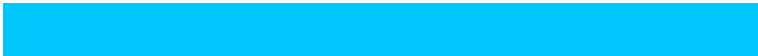
49.1643, 0.2725, 0.2343

Square

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



49.1643, 0.2799, 0.4169



49.1643, 0.2003, 0.2461



49.1643, 0.3369, 0.2596



49.1643, 0.4373, 0.3970

Rectangle

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



49.1643, 0.2799, 0.4169



49.1643, 0.2077, 0.3088



49.1643, 0.3369, 0.2596



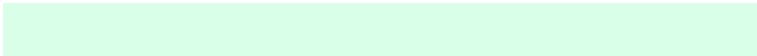
49.1643, 0.4297, 0.3315

Sweetspot

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



49.1663, 0.2799, 0.4169



92.1425, 0.3015, 0.3513



52.7402, 0.3478, 0.4668



19.5122, 0.3000, 0.3548



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.



49.1663, 0.2799, 0.4169



77.2020, 0.2759, 0.4402



51.1589, 0.2514, 0.3385



12.6170, 0.3057, 0.3423



27.6544, 0.2778, 0.5200



1.4418, 0.2670, 0.4812

Inverse Universe

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



25.3971, 0.3717, 0.2570



34.4020, 0.3909, 0.2441



23.9457, 0.4436, 0.3208



11.3178, 0.3203, 0.3160



8.8770, 0.4677, 0.2350



0.4730, 0.4314, 0.2150

Previews

White Background



This preview shows how the Yxy color 49.1643, 0.2799, 0.4169 looks on a white background.

Color Contrast Check

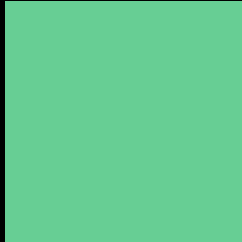
Large Text (above 18pt) WCAG AA × Fail

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 49.1643, 0.2799, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

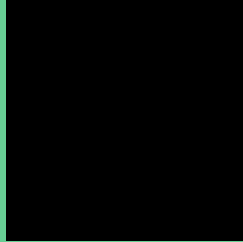
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1643, 0.2799, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 49.1643, 0.2799, 0.4169.

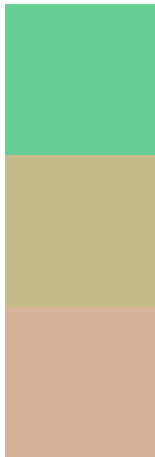


This preview shows how white text looks on a background with the Yxy color 49.1643, 0.2799, 0.4169.

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

49.1643, 0.2799, 0.4169

Protanopia

48.5387, 0.3624, 0.3890

Deuteranopia

48.4700, 0.3658, 0.3583



Tritanopia

49.1853, 0.2505, 0.3084

Trichromacy



Original Color

49.1643, 0.2799, 0.4169



Protanomaly

47.8795, 0.3263, 0.4000



Deuteranomaly

47.2321, 0.3289, 0.3779



Tritanomaly

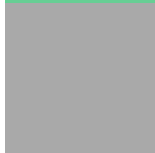
49.0248, 0.2612, 0.3460

Monochromacy



Original Color

49.1643, 0.2799, 0.4169



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.0488, 0.2981, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1643, 0.2799, 0.4169 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(103, 206, 148)` looks like.

```
.text, #text, p{  
    color:rgb(103, 206, 148)  
}
```

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(103, 206, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 206, 148) }
```

Border

The CSS property to change the border of an element to Yxy 49.1643, 0.2799, 0.4169 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(103, 206, 148) }
```

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

```
.border{ border-color:rgb(103, 206, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 206, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 206, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 206, 148); box-shadow:4px 4px 4px 4px rgb(103, 206, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1643, 0.2799, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 206, 148) }
```

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

```
.background{ background-color: rgb(103,  
206, 148) }
```

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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