

Converting Colors

$Yxy(48.2506, 0.2679, 0.3883)$

Have a look what the booklet for
Yxy(48.2506, 0.2679, 0.3883)
contains.

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Color

Yxy(48.0449, 0.2680, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	63CBA4
RGB	99, 203, 164
RGB Percent	39%, 80%, 64%
CMY	0.6117, 0.2039, 0.3569
CMYK	0.51, 0.00, 0.19, 0.20
HSL	157°, 50%, 59%
HSV	157°, 51%, 80%
XYZ	33.2028, 48.0449, 42.6433
YIQ	167.4580, -49.4650, -34.1770

Conversions

Conversions Part 2

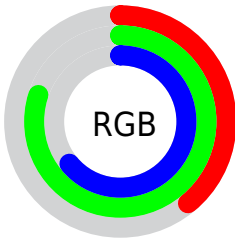
Format	Color
RYB	99, 163, 203
Decimal	6540196
CIELab	74.85, -39.47, 10.32
CIELCh	75, 40.795, 165.353
Yxy	48.0449, 0.2680, 0.3878
Android (android.graphics.Color)	4284730276 (0xFF63CBA4)
YUV	167.4580, -1.7048, -60.0377
Hunter-Lab	69.3144, -35.7958, 12.0440

Details

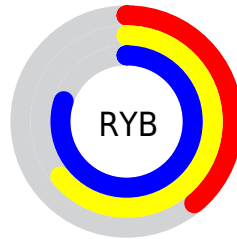
The Yxy color **48.0449, 0.2680, 0.3878** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.4584, 0.4012, 0.2795**, and the grayscale version is **38.9073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7024, 0.2757, 0.3706**, and **22.7430, 0.2550, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **46.7765, 0.2628, 0.4018**, and if you desaturate by 10%, it is **49.6210, 0.2748, 0.3744**.

Distribution



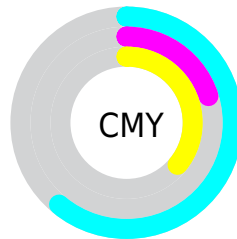
- Red (39%)
- Green (80%)
- Blue (64%)



- Red (39%)
- Yellow (64%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (61%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0449, 0.2680, 0.3878 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 48.0449, 0.2680, 0.3878 by changing the saturation by 10% instead.

 48.0449, 0.2680,
0.3878


 48.0449, 0.2680,
0.3878


378.9701, 0.2907,
0.3575

 33.8624, 0.2622,
0.3957


 87.2713, 0.2763,
0.3765


 22.7879, 0.2548,
0.4060


 113.0839, 0.2794,
0.3724

 14.4370, 0.2447,
0.4200


 143.5422, 0.2820,
0.3689

 8.4252, 0.2306,
0.4402

 179.0303, 0.2843,
0.3659

 4.3682, 0.2093,
0.4715

219.9328, 0.2862,
0.3634

 1.8816, 0.1687,
0.5294

266.6340, 0.2879,

 0.5373, 0.0000,

0.3611

1.0000

319.5183, 0.2894,
0.3592

0.0000, 0.0000,
0.0000

48.0449, 0.2680,
0.3878

48.0449, 0.2680,
0.3878

46.7765, 0.2628,
0.4018

49.6210, 0.2748,
0.3744

45.7877, 0.2594,
0.4163

51.5189, 0.2828,
0.3619

45.0551, 0.2580,
0.4309

53.7589, 0.2918,
0.3502

44.5485, 0.2586,
0.4453

56.3577, 0.3014,
0.3397

44.2419, 0.2605,
0.4577

59.3310, 0.3115,
0.3301

■ 62.6936, 0.3217,
0.3216

■ 66.4594, 0.3318,
0.3140

■ 69.4048, 0.3369,
0.3069

■ 69.8295, 0.3312,
0.2994

Harmonies

Analogous

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



48.0449, 0.3213, 0.4259



48.0449, 0.2680, 0.3878



48.0449, 0.2290, 0.3309

Triad

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



48.0449, 0.2680, 0.3878



48.0449, 0.2477, 0.2402



48.0449, 0.4251, 0.3618

Complementary

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



48.0449, 0.2680, 0.3878



23.4584, 0.4012, 0.2795

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.



48.0449, 0.4027, 0.3179



48.0449, 0.2680, 0.3878



48.0449, 0.2959, 0.2512

Square

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



48.0449, 0.2680, 0.3878



48.0449, 0.2186, 0.2491



48.0449, 0.3535, 0.2788



48.0449, 0.4138, 0.4027

Rectangle

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



48.0449, 0.2680, 0.3878



48.0449, 0.2150, 0.2952



48.0449, 0.3535, 0.2788



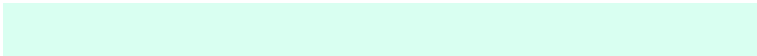
48.0449, 0.4214, 0.3471

Sweetspot

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



48.0468, 0.2680, 0.3878



92.5636, 0.2976, 0.3437



49.0926, 0.3330, 0.4775



19.6136, 0.2955, 0.3460



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.



48.0468, 0.2680, 0.3878



78.2135, 0.2625, 0.4027



44.1705, 0.2433, 0.3113



12.6529, 0.3033, 0.3378



28.1726, 0.2599, 0.4557



1.4678, 0.2522, 0.4280

Inverse Universe

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



23.4584, 0.4012, 0.2795



32.7308, 0.4308, 0.2717



24.9984, 0.4494, 0.3448



11.2821, 0.3232, 0.3203



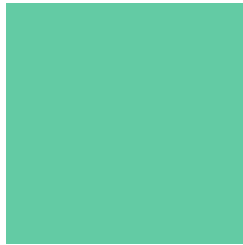
8.4297, 0.5459, 0.2781



0.4495, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 48.0449, 0.2680, 0.3878 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 48.0449, 0.2680, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

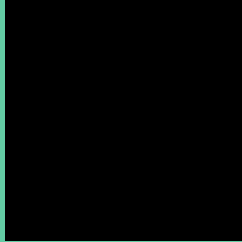
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0449, 0.2680, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 48.0449, 0.2680, 0.3878.

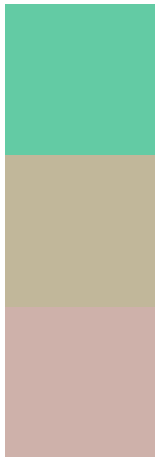


This preview shows how white text looks on a background with the Yxy color 48.0449, 0.2680, 0.3878.

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

48.0449, 0.2680, 0.3878

Protanopia

47.5375, 0.3451, 0.3666

Deuteranopia

47.4684, 0.3446, 0.3378



Tritanopia

47.7440, 0.2469, 0.3067

Trichromacy



Original Color

48.0449, 0.2680, 0.3878



Protanomaly

46.6665, 0.3114, 0.3738



Deuteranomaly

46.1605, 0.3107, 0.3536



Tritanomaly

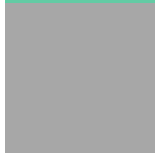
47.9751, 0.2542, 0.3346

Monochromacy



Original Color

48.0449, 0.2680, 0.3878



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.1465, 0.2919, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0449, 0.2680, 0.3878 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(99, 203, 164)` looks like.

```
.text, #text, p{  
    color:rgb(99, 203, 164)  
}
```

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(99, 203, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 203, 164) }
```

Border

The CSS property to change the border of an element to Yxy 48.0449, 0.2680, 0.3878 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(99, 203, 164) }
```

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

```
.border{ border-color:rgb(99, 203, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 203, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 203, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 203, 164);  
box-shadow:4px 4px 4px 4px rgb(99, 203,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0449, 0.2680, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 203, 164) }
```

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

```
.background{ background-color: rgb(99, 203,  
164) }
```

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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