

Converting Colors

$Y_{xy}(45.1099, 0.2774, 0.4002)$

Have a look what the booklet for
Yxy(45.1099, 0.2774, 0.4002)
contains.

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Color

Yxy(45.1099, 0.2774, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	68C597
RGB	104, 197, 151
RGB Percent	41%, 77%, 59%
CMY	0.5919, 0.2275, 0.4078
CMYK	0.47, 0.00, 0.23, 0.23
HSL	150°, 44%, 59%
HSV	150°, 47%, 77%
XYZ	31.2681, 45.1099, 36.3404
YIQ	163.9490, -40.6620, -34.0220

Conversions

Conversions Part 2

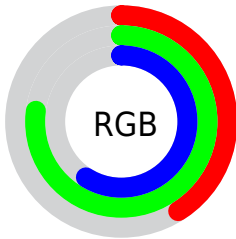
Format	Color
RYB	104, 166, 197
Decimal	6866327
CIELab	72.96, -38.30, 14.66
CIELCh	73, 41.011, 159.062
Yxy	45.1099, 0.2774, 0.4002
Android (android.graphics.Color)	4285056407 (0xFF68C597)
YUV	163.9490, -6.3839, -52.5753
Hunter-Lab	67.1639, -34.4364, 14.9347

Details

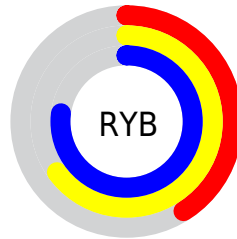
The Yxy color $45.1099, 0.2774, 0.4002$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $23.9897, 0.3754, 0.2689$, and the grayscale version is $37.1539, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.7650, 0.2845, 0.3863$, and $21.1459, 0.2659, 0.4243$ is the 20% darker color. If you saturate the color by 10%, you get $43.7625, 0.2726, 0.4188$, and if you desaturate by 10%, it is $46.7625, 0.2835, 0.3826$.

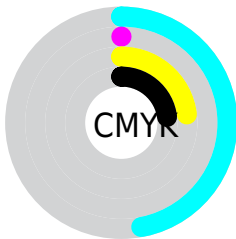
Distribution



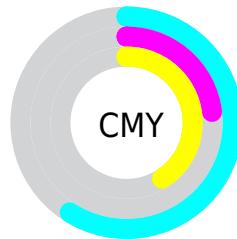
- Red (41%)
- Green (77%)
- Blue (59%)



- Red (41%)
- Yellow (65%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)





- Cyan (59%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1099, 0.2774, 0.4002 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 45.1099, 0.2774, 0.4002 by changing the saturation by 10% instead.


 45.1099, 0.2774,
0.4002


 45.1099, 0.2774,
0.4002


367.2185, 0.2959,
0.3627

 31.5440, 0.2725,
0.4102


 82.8853, 0.2843,
0.3861

 21.0134, 0.2660,
0.4233


 107.8636, 0.2869,
0.3810

 13.1338, 0.2571,
0.4415


 137.4148, 0.2890,
0.3767

 7.5208, 0.2440,
0.4682

 171.9233, 0.2908,
0.3731

 3.7899, 0.2233,
0.5108

211.7736, 0.2924,
0.3699

 1.5567, 0.1700,
0.6168

257.3499, 0.2937,

 0.3282, 0.0000,

0.3672

1.0000

309.0367, 0.2949,
0.3648

0.0000, 0.0000,
0.0000

45.1099, 0.2774,
0.4002

45.1099, 0.2774,
0.4002

43.7625, 0.2726,
0.4188

46.7625, 0.2835,
0.3826

42.6948, 0.2694,
0.4381

48.7331, 0.2907,
0.3662

41.8860, 0.2681,
0.4575


51.0402, 0.2985,
0.3513


41.3097, 0.2688,
0.4765

53.6993, 0.3067,
0.3378

40.9299, 0.2713,
0.4947

56.7249, 0.3151,
0.3257

 40.8398, 0.2722,
0.4997

 60.1307, 0.3235,
0.3150

 63.9297, 0.3317,
0.3056

 66.8467, 0.3345,
0.2968

 67.4067, 0.3272,
0.2873

Harmonies

Analogous

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



45.1099, 0.3334, 0.4324



45.1099, 0.2774, 0.4002



45.1099, 0.2335, 0.3434

Triad

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



45.1099, 0.2774, 0.4002



45.1099, 0.2380, 0.2382



45.1099, 0.4261, 0.3529

Complementary

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



45.1099, 0.2774, 0.4002



23.9897, 0.3754, 0.2689

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.



45.1099, 0.3963, 0.3085



45.1099, 0.2774, 0.4002



45.1099, 0.2838, 0.2455

Square

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



45.1099, 0.2774, 0.4002



45.1099, 0.2130, 0.2518



45.1099, 0.3421, 0.2705



45.1099, 0.4215, 0.3963

Rectangle

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



45.1099, 0.2774, 0.4002



45.1099, 0.2160, 0.3050



45.1099, 0.3421, 0.2705



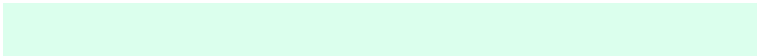
45.1099, 0.4198, 0.3378

Sweetspot

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



45.1117, 0.2774, 0.4002



92.7605, 0.3009, 0.3472



47.4654, 0.3411, 0.4607



19.6407, 0.2991, 0.3502



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.



45.1117, 0.2774, 0.4002



78.2342, 0.2723, 0.4202



46.9080, 0.2507, 0.3288



11.9758, 0.3049, 0.3407



26.8813, 0.2715, 0.4975



1.2874, 0.2610, 0.4594

Inverse Universe

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



23.9897, 0.3754, 0.2689



35.6967, 0.3973, 0.2570



22.7867, 0.4407, 0.3294



10.7230, 0.3214, 0.3176



8.3983, 0.4961, 0.2507



0.4123, 0.4500, 0.2253

Previews

White Background



This preview shows how the Yxy color 45.1099, 0.2774, 0.4002 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 45.1099, 0.2774, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

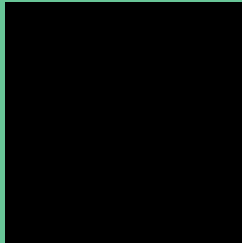
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1099, 0.2774, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 45.1099, 0.2774, 0.4002.



This preview shows how white text looks on a background with the Yxy color 45.1099, 0.2774, 0.4002.

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

45.1099, 0.2774, 0.4002

Protanopia

44.6126, 0.3529, 0.3768

Deuteranopia

44.2567, 0.3549, 0.3469



Tritanopia

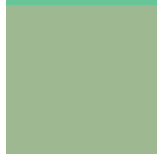
45.0862, 0.2519, 0.3077

Trichromacy



Original Color

45.1099, 0.2774, 0.4002



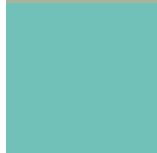
Protanomaly

44.0114, 0.3209, 0.3863



Deuteranomaly

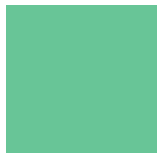
43.2246, 0.3215, 0.3640



Tritanomaly

45.1534, 0.2613, 0.3406

Monochromacy



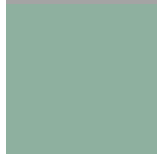
Original Color

45.1099, 0.2774, 0.4002



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.3047, 0.2970, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1099, 0.2774, 0.4002 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(104, 197, 151)` looks like.

```
.text, #text, p{  
    color:rgb(104, 197, 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(104, 197, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 197, 151) }
```

Border

The CSS property to change the border of an element to Yxy 45.1099, 0.2774, 0.4002 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(104, 197, 151) }
```

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

```
.border{ border-color:rgb(104, 197, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 197, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 197, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 197, 151);  
box-shadow:4px 4px 4px 4px rgb(104, 197,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1099, 0.2774, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 197, 151) }
```

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

```
.background{ background-color: rgb(104,  
197, 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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