

Converting Colors

$Y_{xy}(45.8805, 0.2768, 0.3948)$

Have a look what the booklet for
Yxy(45.8805, 0.2768, 0.3948)
contains.

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Color

Yxy(45.8805, 0.2768, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	6BC69B
RGB	107, 198, 155
RGB Percent	42%, 78%, 61%
CMY	0.5806, 0.2235, 0.3922
CMYK	0.46, 0.00, 0.22, 0.22
HSL	152°, 44%, 60%
HSV	152°, 46%, 78%
XYZ	32.1675, 45.8805, 38.1640
YIQ	165.8890, -40.4330, -32.6650

Conversions

Conversions Part 2

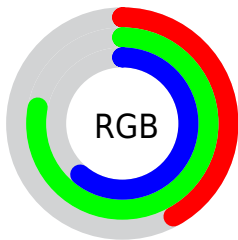
Format	Color
RYB	107, 167, 198
Decimal	7063195
CIELab	73.47, -37.20, 13.24
CIELCh	73, 39.483, 160.405
Yxy	45.8805, 0.2768, 0.3948
Android (android.graphics.Color)	4285253275 (0xFF6BC69B)
YUV	165.8890, -5.3683, -51.6457
Hunter-Lab	67.7351, -33.7667, 14.0088

Details

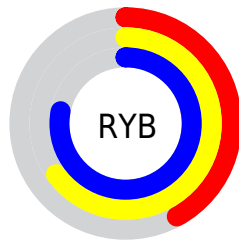
The Yxy color **45.8805, 0.2768, 0.3948** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.7118, 0.3759, 0.2728**, and the grayscale version is **38.1116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9597, 0.2836, 0.3810**, and **21.6241, 0.2654, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **44.4909, 0.2716, 0.4124**, and if you desaturate by 10%, it is **47.5791, 0.2833, 0.3782**.

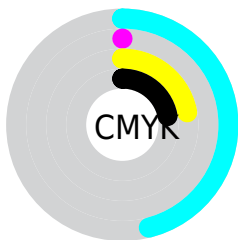
Distribution



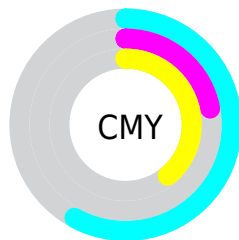
- Red (42%)
- Green (78%)
- Blue (61%)



- Red (42%)
- Yellow (65%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8805, 0.2768, 0.3948 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 45.8805, 0.2768, 0.3948 by changing the saturation by 10% instead.

 45.8805, 0.2768,
0.3948


 45.8805, 0.2768,
0.3948

370.3280, 0.2955,
0.3604


 32.1515, 0.2719,
0.4039


 84.0401, 0.2837,
0.3819

 21.4773, 0.2655,
0.4159


 109.2396, 0.2863,
0.3772

 13.4733, 0.2567,
0.4323


 139.0313, 0.2885,
0.3733

 7.7553, 0.2441,
0.4564

 173.7997, 0.2903,
0.3699

 3.9388, 0.2242,
0.4945

213.9292, 0.2918,
0.3670

 1.6394, 0.1789,
0.5760

259.8041, 0.2932,

 0.3839, 0.0000,

0.3645

1.0000

311.8089, 0.2944,
0.3623

0.0000, 0.0000,
0.0000

45.8805, 0.2768,
0.3948

45.8805, 0.2768,
0.3948

44.4909, 0.2716,
0.4124

47.5791, 0.2833,
0.3782

43.3848, 0.2680,
0.4307

49.5993, 0.2908,
0.3628

42.5415, 0.2663,
0.4492


51.9595, 0.2989,
0.3487


41.9349, 0.2666,
0.4676

54.6754, 0.3075,
0.3360

41.5325, 0.2689,
0.4852


57.7615, 0.3162,
0.3246

 41.4029, 0.2700,
0.4921

 61.2314, 0.3249,
0.3145

 65.0982, 0.3335,
0.3056

 67.3575, 0.3338,
0.2970

 67.8968, 0.3268,
0.2880

Harmonies

Analogous

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



45.8805, 0.3303, 0.4270



45.8805, 0.2768, 0.3948



45.8805, 0.2353, 0.3403

Triad

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



45.8805, 0.2768, 0.3948



45.8805, 0.2426, 0.2416



45.8805, 0.4218, 0.3543

Complementary

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



45.8805, 0.2768, 0.3948



24.7118, 0.3759, 0.2728

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.



45.8805, 0.3946, 0.3113



45.8805, 0.2768, 0.3948



45.8805, 0.2874, 0.2494

Square

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



45.8805, 0.2768, 0.3948



45.8805, 0.2174, 0.2540



45.8805, 0.3436, 0.2742



45.8805, 0.4161, 0.3956

Rectangle

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



45.8805, 0.2768, 0.3948



45.8805, 0.2190, 0.3040



45.8805, 0.3436, 0.2742



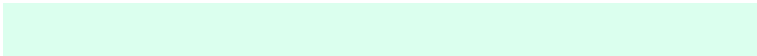
45.8805, 0.4163, 0.3398

Sweetspot

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



45.8824, 0.2768, 0.3948



92.8075, 0.3004, 0.3463



48.0298, 0.3393, 0.4578



19.6522, 0.2986, 0.3492



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.



45.8824, 0.2768, 0.3948



78.8107, 0.2717, 0.4121



46.9036, 0.2514, 0.3266



11.9798, 0.3046, 0.3401



26.9389, 0.2694, 0.4898



1.2901, 0.2592, 0.4532

Inverse Universe

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



24.7118, 0.3759, 0.2728



36.8012, 0.3967, 0.2622



23.8902, 0.4349, 0.3314



10.7190, 0.3217, 0.3181



8.3450, 0.5055, 0.2559



0.4097, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 45.8805, 0.2768, 0.3948 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 45.8805, 0.2768, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

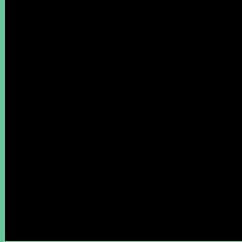
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8805, 0.2768, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 45.8805, 0.2768, 0.3948.

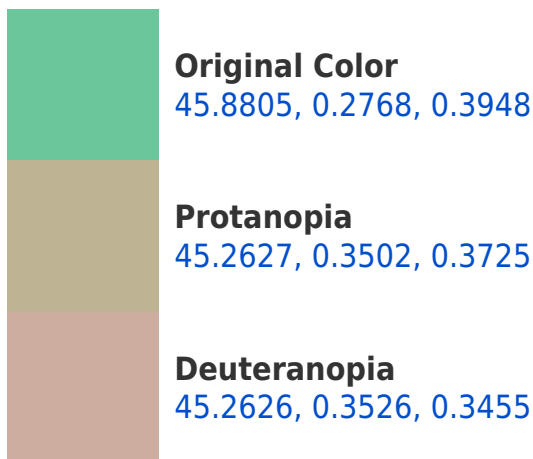


This preview shows how white text looks on a background with the Yxy color 45.8805, 0.2768, 0.3948.

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





Tritanopia

45.7109, 0.2527, 0.3079

Trichromacy



Original Color

45.8805, 0.2768, 0.3948



Protanomaly

44.7613, 0.3194, 0.3815



Deuteranomaly

44.3595, 0.3206, 0.3622



Tritanomaly

45.8163, 0.2614, 0.3390

Monochromacy



Original Color

45.8805, 0.2768, 0.3948



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.4692, 0.2972, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8805, 0.2768, 0.3948 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(107, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(107, 198, 155)  
}
```

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(107, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 198, 155) }
```

Border

The CSS property to change the border of an element to Yxy 45.8805, 0.2768, 0.3948 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(107, 198, 155) }
```

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

```
.border{ border-color:rgb(107, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(107, 198,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8805, 0.2768, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 198, 155) }
```

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

```
.background{ background-color: rgb(107,  
198, 155) }
```

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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