

Converting Colors

$Y_{xy}(45.2060, 0.2819, 0.3898)$

Have a look what the booklet for
Yxy(45.2060, 0.2819, 0.3898)
contains.

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Color

Yxy(45.1098, 0.2820, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	74C39B
RGB	116, 195, 155
RGB Percent	45%, 76%, 61%
CMY	0.5448, 0.2353, 0.3921
CMYK	0.40, 0.00, 0.21, 0.24
HSL	150°, 40%, 61%
HSV	150°, 40%, 76%
XYZ	32.6430, 45.1098, 38.0024
YIQ	166.8190, -34.2440, -29.1880

Conversions

Conversions Part 2

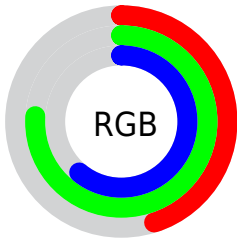
Format	Color
R _Y B	116, 169, 195
Decimal	7652251
CIE Lab	72.96, -33.32, 12.57
CIE LCh	73, 35.610, 159.326
Yxy	45.1098, 0.2820, 0.3897
Android (android.graphics.Color)	4285842331 (0xFF74C39B)
YUV	166.8190, -5.8268, -44.5683
Hunter-Lab	67.1638, -30.7821, 13.4674

Details

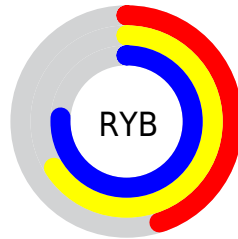
The Yxy color **45.1098, 0.2820, 0.3897** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.5134, 0.3620, 0.2761**, and the grayscale version is **38.6025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8822, 0.2882, 0.3785**, and **21.0734, 0.2720, 0.4091** is the 20% darker color. If you saturate the color by 10%, you get **43.5930, 0.2764, 0.4081**, and if you desaturate by 10%, it is **46.9380, 0.2887, 0.3725**.

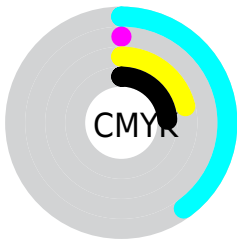
Distribution



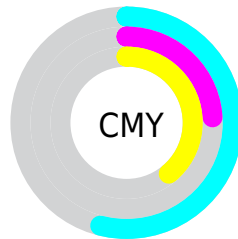
- Red (45%)
- Green (76%)
- Blue (61%)



- Red (45%)
- Yellow (66%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (54%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1098, 0.2820, 0.3897 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 45.1098, 0.2820, 0.3897 by changing the saturation by 10% instead.


 45.1098, 0.2820,
0.3897


 45.1098, 0.2820,
0.3897


367.2181, 0.2980,
0.3580


 31.5439, 0.2778,
0.3981


 82.8852, 0.2880,
0.3778

 21.0134, 0.2722,
0.4092


 107.8634, 0.2902,
0.3735

 13.1338, 0.2646,
0.4244


 137.4146, 0.2920,
0.3698

 7.5207, 0.2535,
0.4466

171.9231, 0.2936,
0.3667

 3.7898, 0.2360,
0.4821

211.7733, 0.2949,
0.3641

 1.5567, 0.1973,
0.5577

257.3496, 0.2961,

 0.3281, 0.0000,

0.3618

1.0000

309.0364, 0.2971,
0.3597

0.0000, 0.0000,
0.0000

45.1098, 0.2820,
0.3897

45.1098, 0.2820,
0.3897

43.5930, 0.2764,
0.4081

46.9380, 0.2887,
0.3725

42.3637, 0.2721,
0.4275

49.0887, 0.2962,
0.3567

41.4034, 0.2696,
0.4473


51.5795, 0.3041,
0.3424

40.6889, 0.2691,
0.4671


54.4247, 0.3123,
0.3296

40.1929, 0.2704,
0.4862

57.6380, 0.3206,
0.3182

 39.8741, 0.2732,
0.5036

 61.2324, 0.3287,
0.3081

 65.2201, 0.3366,
0.2993

 66.2289, 0.3309,
0.2898

 66.8128, 0.3235,
0.2804

Harmonies

Analogous

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



45.1098, 0.3310, 0.4178



45.1098, 0.2820, 0.3897



45.1098, 0.2432, 0.3414

Triad

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



45.1098, 0.2820, 0.3897



45.1098, 0.2475, 0.2490



45.1098, 0.4113, 0.3514

Complementary

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



45.1098, 0.2820, 0.3897



26.5134, 0.3620, 0.2761

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.



45.1098, 0.3855, 0.3118



45.1098, 0.2820, 0.3897



45.1098, 0.2882, 0.2554

Square

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



45.1098, 0.2820, 0.3897



45.1098, 0.2249, 0.2615



45.1098, 0.3390, 0.2778



45.1098, 0.4075, 0.3892

Rectangle

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



45.1098, 0.2820, 0.3897



45.1098, 0.2276, 0.3085



45.1098, 0.3390, 0.2778



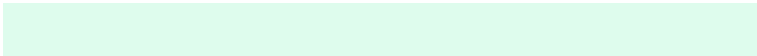
45.1098, 0.4058, 0.3380

Sweetspot

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



45.1116, 0.2820, 0.3897



91.5784, 0.3028, 0.3447



47.4420, 0.3391, 0.4402



19.9197, 0.3017, 0.3466



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.



45.1116, 0.2820, 0.3897



78.2594, 0.2767, 0.4068



46.6251, 0.2584, 0.3307



11.3398, 0.3050, 0.3409



25.9359, 0.2726, 0.5012



1.1345, 0.2610, 0.4597

Inverse Universe

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



26.5134, 0.3620, 0.2761



40.1943, 0.3787, 0.2644



25.4048, 0.4124, 0.3275



10.1611, 0.3211, 0.3174



8.1407, 0.4909, 0.2478



0.3656, 0.4431, 0.2214

Previews

White Background



This preview shows how the Yxy color 45.1098, 0.2820, 0.3897 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 45.1098, 0.2820, 0.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

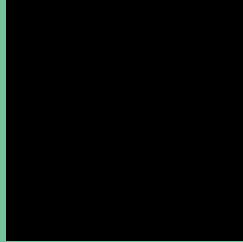
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1098, 0.2820, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 45.1098, 0.2820, 0.3897.

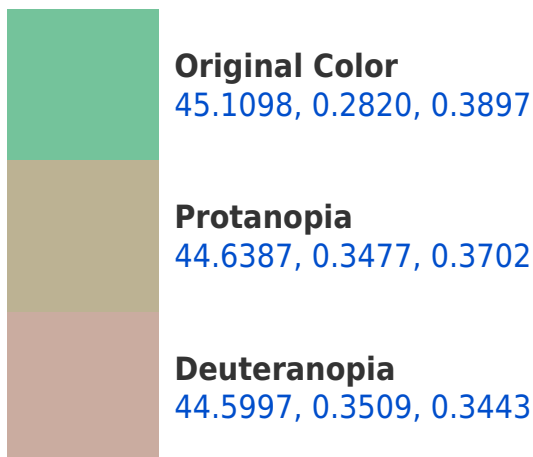


This preview shows how white text looks on a background with the Yxy color 45.1098, 0.2820, 0.3897.

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

44.8381, 0.2573, 0.3065

Trichromacy



Original Color

45.1098, 0.2820, 0.3897

Protanomaly

44.1644, 0.3206, 0.3771

Deuteranomaly

43.7691, 0.3226, 0.3594

Tritanomaly

45.0177, 0.2662, 0.3361

Monochromacy



Original Color

45.1098, 0.2820, 0.3897

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.3845, 0.2990, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1098, 0.2820, 0.3897 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(116, 195, 155)` looks like.

```
.text, #text, p{  
    color:rgb(116, 195, 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(116, 195, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 195, 155) }
```

Border

The CSS property to change the border of an element to Yxy 45.1098, 0.2820, 0.3897 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(116, 195, 155) }
```

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

```
.border{ border-color:rgb(116, 195, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 195, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 195, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 195, 155); box-shadow:4px 4px 4px 4px rgb(116, 195, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1098, 0.2820, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 195, 155) }
```

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

```
.background{ background-color: rgb(116,  
195, 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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