

Converting Colors

$Y_{xy}(45.2451, 0.2851, 0.4314)$

Have a look what the booklet for
Yxy(45.2451, 0.2851, 0.4314)
contains.

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Color

Yxy(45.2207, 0.2850, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	63C786
RGB	99, 199, 134
RGB Percent	39%, 78%, 53%
CMY	0.6120, 0.2196, 0.4745
CMYK	0.50, 0.00, 0.33, 0.22
HSL	141°, 47%, 58%
HSV	141°, 50%, 78%
XYZ	29.8677, 45.2207, 29.7105
YIQ	161.6900, -38.7350, -41.4150

Conversions

Conversions Part 2

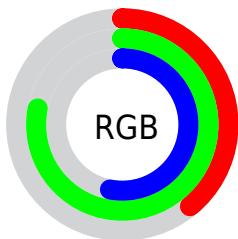
Format	Color
RYB	99, 173, 199
Decimal	6539142
CIELab	73.04, -43.85, 23.79
CIELCh	73, 49.887, 151.518
Yxy	45.2207, 0.2850, 0.4315
Android (android.graphics.Color)	4284729222 (0xFF63C786)
YUV	161.6900, -13.6512, -54.9791
Hunter-Lab	67.2463, -38.3998, 20.8772

Details

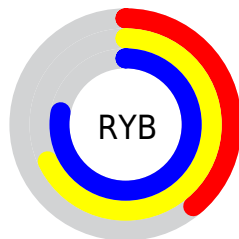
The Yxy color **45.2207, 0.2850, 0.4315** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.7350, 0.3604, 0.2465**, and the grayscale version is **36.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1194, 0.2906, 0.4089**, and **21.0179, 0.2744, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **43.8982, 0.2819, 0.4565**, and if you desaturate by 10%, it is **46.8671, 0.2893, 0.4075**.

Distribution



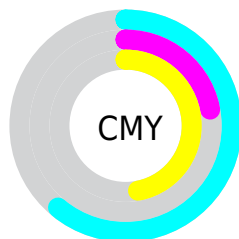
- Red (39%)
- Green (78%)
- Blue (53%)



- Red (39%)
- Yellow (68%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (61%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2207, 0.2850, 0.4315 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 45.2207, 0.2850, 0.4315 by changing the saturation by 10% instead.


 45.2207, 0.2850,
0.4315


 45.2207, 0.2850,
0.4315


367.6667, 0.3005,
0.3769

 31.6313, 0.2805,
0.4462


 83.0515, 0.2911,
0.4108


 21.0800, 0.2744,
0.4658


 108.0617, 0.2932,
0.4033

 13.1825, 0.2656,
0.4929

 137.6476, 0.2950,
0.3971

 7.5544, 0.2521,
0.5327

 172.1936, 0.2965,
0.3918

 3.8111, 0.2289,
0.5958

212.0841, 0.2977,
0.3872

 1.5685, 0.1612,
0.8388

257.7035, 0.2988,

 0.3362, 0.0000,

0.3833

1.0000

309.4363, 0.2997,
0.3799

0.0000, 0.0000,
0.0000

45.2207, 0.2850,
0.4315

45.2207, 0.2850,
0.4315

43.8982, 0.2819,
0.4565

46.8671, 0.2893,
0.4075

42.8717, 0.2803,
0.4816

48.8520, 0.2945,
0.3851

42.1180, 0.2805,
0.5060

51.1955, 0.3003,
0.3645

41.6073, 0.2824,
0.5284

53.9147, 0.3064,
0.3459

41.2905, 0.2855,
0.5476

57.0256, 0.3125,
0.3294

■ 60.5430, 0.3187,
0.3149

■ 64.4813, 0.3246,
0.3021

■ 68.2512, 0.3280,
0.2906

■ 69.0362, 0.3186,
0.2785

Harmonies

Analogous

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



45.2207, 0.3528, 0.4585



45.2207, 0.2850, 0.4315



45.2207, 0.2282, 0.3645

Triad

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



45.2207, 0.2850, 0.4315



45.2207, 0.2138, 0.2226



45.2207, 0.4453, 0.3418

Complementary

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



45.2207, 0.2850, 0.4315



23.7350, 0.3604, 0.2465

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.



45.2207, 0.3995, 0.2914



45.2207, 0.2850, 0.4315



45.2207, 0.2616, 0.2260

Square

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



45.2207, 0.2850, 0.4315



45.2207, 0.1914, 0.2440



45.2207, 0.3293, 0.2505



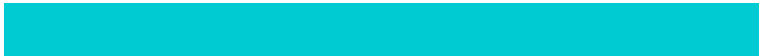
45.2207, 0.4490, 0.3944

Rectangle

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



45.2207, 0.2850, 0.4315



45.2207, 0.2035, 0.3152



45.2207, 0.3293, 0.2505



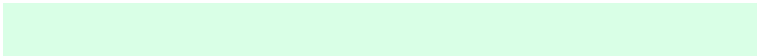
45.2207, 0.4343, 0.3244

Sweetspot

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



45.2226, 0.2850, 0.4315



91.9552, 0.3033, 0.3548



49.6426, 0.3550, 0.4640



19.4674, 0.3020, 0.3589



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.



45.2226, 0.2850, 0.4315



76.7319, 0.2818, 0.4580



46.9618, 0.2558, 0.3510



11.9482, 0.3069, 0.3444



26.5627, 0.2848, 0.5451



1.2715, 0.2726, 0.5013

Inverse Universe

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



23.7350, 0.3604, 0.2465



34.9981, 0.3751, 0.2320



22.2704, 0.4319, 0.3098



10.7511, 0.3190, 0.3141



8.8486, 0.4328, 0.2158



0.4323, 0.4037, 0.1998

Previews

White Background



This preview shows how the Yxy color 45.2207, 0.2850, 0.4315 looks on a white background.

Color Contrast Check

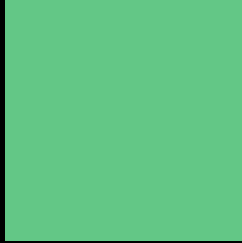
Large Text (above 18pt) WCAG AA × Fail

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 45.2207, 0.2850, 0.4315 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 45.2207, 0.2850, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 45.2207, 0.2850, 0.4315.



This preview shows how white text looks on a background with the Yxy color 45.2207, 0.2850, 0.4315.

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

45.2207, 0.2850, 0.4315

Protanopia

44.5279, 0.3703, 0.3986

Deuteranopia

44.4292, 0.3753, 0.3680



Tritanopia

45.0166, 0.2513, 0.3077

Trichromacy



Original Color

45.2207, 0.2850, 0.4315



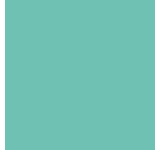
Protanomaly

43.9454, 0.3338, 0.4125



Deuteranomaly

43.2076, 0.3360, 0.3896



Tritanomaly

44.7096, 0.2631, 0.3497

Monochromacy



Original Color

45.2207, 0.2850, 0.4315



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.4159, 0.2999, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2207, 0.2850, 0.4315 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, 199, 134)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 134)  
}
```

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, 199, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 134) }
```

Border

The CSS property to change the border of an element to Yxy 45.2207, 0.2850, 0.4315 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, 199, 134) }
```

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

```
.border{ border-color:rgb(99, 199, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 134);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2207, 0.2850, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 134) }
```

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

```
.background{ background-color: rgb(99, 199,  
134) }
```

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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