

Converting Colors

$Y_{xy}(45.9222, 0.2673, 0.3065)$

Have a look what the booklet for
Yxy(45.9222, 0.2673, 0.3065)
contains.

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Color

Yxy(45.7399, 0.2674, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	8FBBCC
RGB	143, 187, 204
RGB Percent	56%, 73%, 80%
CMY	0.4392, 0.2666, 0.2001
CMYK	0.30, 0.08, 0.00, 0.20
HSL	197°, 37%, 68%
HSV	197°, 30%, 80%
XYZ	39.9962, 45.7399, 63.8384
YIQ	175.7820, -31.6810, -4.0410

Conversions

Conversions Part 2

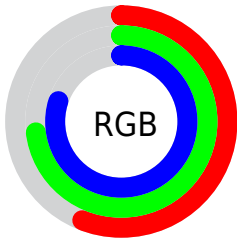
Format	Color
RYB	143, 169, 204
Decimal	9419724
CIELab	73.38, -10.56, -13.30
CIElCh	73, 16.979, 231.540
Yxy	45.7399, 0.2674, 0.3058
Android (android.graphics.Color)	4287609804 (0xFF8FBBC)
YUV	175.7820, 13.9115, -28.7498
Hunter-Lab	67.6313, -12.7922, -8.6230

Details

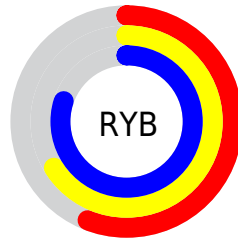
The Yxy color **45.7399, 0.2674, 0.3058** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9569, 0.3727, 0.3510**, and the grayscale version is **43.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3270, 0.2785, 0.3162**, and **21.4259, 0.2545, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **41.7205, 0.2532, 0.2967**, and if you desaturate by 10%, it is **50.1893, 0.2823, 0.3143**.

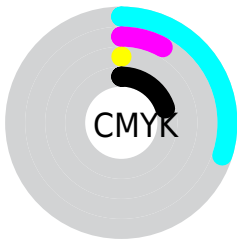
Distribution



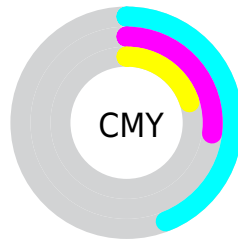
- Red (56%)
- Green (73%)
- Blue (80%)



- Red (56%)
- Yellow (66%)
- Blue (80%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)





- Cyan (44%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7399, 0.2674, 0.3058 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 45.7399, 0.2674, 0.3058 by changing the saturation by 10% instead.

 45.7399, 0.2674,
0.3058


 45.7399, 0.2674,
0.3058


369.7620, 0.2898,
0.3177

 32.0406, 0.2619,
0.3027


 83.8296, 0.2755,
0.3102

 21.3925, 0.2549,
0.2988


 108.9888, 0.2785,
0.3118

 13.4112, 0.2458,
0.2934


138.7368, 0.2811,
0.3132

 7.7123, 0.2332,
0.2858

173.4579, 0.2833,
0.3144

 3.9114, 0.2150,
0.2743

213.5366, 0.2852,
0.3154

 1.6241, 0.1866,
0.2549

259.3573, 0.2869,

 0.3738, 0.0525,

0.3163

0.2012

311.3042, 0.2884,
0.3170

0.0000, 0.0000,
0.0000

45.7399, 0.2674,
0.3058

45.7399, 0.2674,
0.3058

41.7205, 0.2532,
0.2967

50.1893, 0.2823,
0.3143

38.1067, 0.2400,
0.2870

55.0810, 0.2976,
0.3220

34.8794, 0.2281,
0.2769

60.4332, 0.3129,
0.3291

32.0157, 0.2179,
0.2666

66.2616, 0.3280,
0.3354

29.4895, 0.2096,
0.2561

72.5810, 0.3428,
0.3410

■ 27.2701, 0.2033,
0.2456

■ 77.3794, 0.3493,
0.3465

■ 25.3019, 0.1987,
0.2353

■ 80.4319, 0.3482,
0.3521

■ 25.2817, 0.1987,
0.2351

■ 83.5869, 0.3471,
0.3577

■ 86.8454, 0.3461,
0.3632

Harmonies

Analogous

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



45.7399, 0.2735, 0.3263



45.7399, 0.2674, 0.3058



45.7399, 0.2728, 0.2926

Triad

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



45.7399, 0.2674, 0.3058



45.7399, 0.3352, 0.3103



45.7399, 0.3362, 0.3714

Complementary

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



45.7399, 0.2674, 0.3058



39.9569, 0.3727, 0.3510

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.



45.7399, 0.3538, 0.3651



45.7399, 0.2674, 0.3058



45.7399, 0.3534, 0.3296

Square

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



45.7399, 0.2674, 0.3058



45.7399, 0.3113, 0.2958



45.7399, 0.3602, 0.3495



45.7399, 0.3127, 0.3656

Rectangle

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



45.7399, 0.2674, 0.3058



45.7399, 0.2823, 0.2893



45.7399, 0.3602, 0.3495



45.7399, 0.3430, 0.3706

Sweetspot

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



45.7417, 0.2674, 0.3058



91.8938, 0.2987, 0.3226



51.5323, 0.2980, 0.3918



19.4015, 0.2965, 0.3215



0.0000, 0.0000, 0.0000



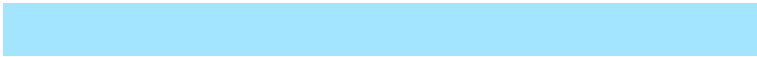
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7417, 0.2674, 0.3058



71.3069, 0.2579, 0.2999



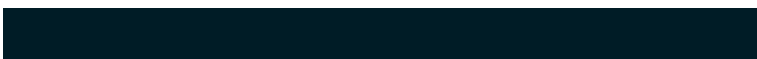
34.3930, 0.2627, 0.2632



12.1782, 0.2983, 0.3224



16.0784, 0.1991, 0.2366



0.9531, 0.2047, 0.2568

Inverse Universe

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



36.0705, 0.3324, 0.2744



53.2069, 0.3380, 0.2623



51.5412, 0.3621, 0.3871



11.3484, 0.3180, 0.3124



9.4261, 0.4058, 0.2009



0.4988, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 45.7399, 0.2674, 0.3058 looks on a white background.

Color Contrast Check

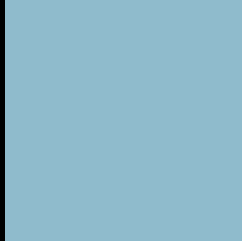
Large Text (above 18pt) WCAG AA × Fail

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 45.7399, 0.2674, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

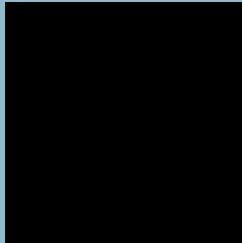
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7399, 0.2674, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 45.7399, 0.2674, 0.3058.



This preview shows how white text looks on a background with the Yxy color 45.7399, 0.2674, 0.3058.

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

45.7399, 0.2674, 0.3058

Protanopia

45.3114, 0.2955, 0.3018

Deuteranopia

45.3065, 0.2959, 0.2900



Tritanopia

45.6446, 0.2686, 0.3084

Trichromacy



Original Color

45.7399, 0.2674, 0.3058

Protanomaly

45.2641, 0.2847, 0.3026

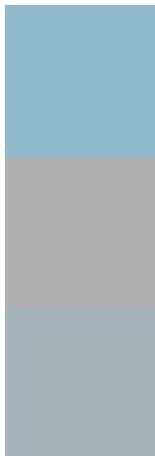
Deuteranomaly

45.0830, 0.2848, 0.2951

Tritanomaly

45.6921, 0.2680, 0.3071

Monochromacy



Original Color

45.7399, 0.2674, 0.3058

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0802, 0.2947, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7399, 0.2674, 0.3058 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(143, 187, 204)` looks like.

```
.text, #text, p{  
    color:rgb(143, 187, 204)  
}
```

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(143, 187, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 187, 204) }
```

Border

The CSS property to change the border of an element to Yxy 45.7399, 0.2674, 0.3058 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(143, 187, 204) }
```

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

```
.border{ border-color:rgb(143, 187, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 187, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 187, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 187, 204);  
box-shadow:4px 4px 4px 4px rgb(143, 187,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7399, 0.2674, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 187, 204) }
```

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

```
.background{ background-color: rgb(143,  
187, 204) }
```

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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