

Converting Colors

$Y_{xy}(48.5355, 0.2959, 0.2843)$

Have a look what the booklet for
Yxy(48.5355, 0.2959, 0.2843)
contains.

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Color

Yxy(48.5355, 0.2959, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	C1B3D8
RGB	193, 179, 216
RGB Percent	76%, 70%, 85%
CMY	0.2429, 0.2981, 0.1530
CMYK	0.11, 0.17, 0.00, 0.15
HSL	263°, 32%, 77%
HSV	263°, 17%, 85%
XYZ	50.5158, 48.5355, 71.6680
YIQ	187.4040, -3.5330, 14.4750

Conversions

Conversions Part 2

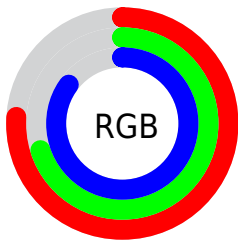
Format	Color
RYB	193, 179, 216
Decimal	12694488
CIELab	75.16, 12.07, -16.80
CIELCh	75, 20.688, 305.704
Yxy	48.5355, 0.2959, 0.2843
Android (android.graphics.Color)	4290884568 (0xFFC1B3D8)
YUV	187.4040, 14.0978, 4.9077
Hunter-Lab	69.6674, 7.5123, -12.2254

Details

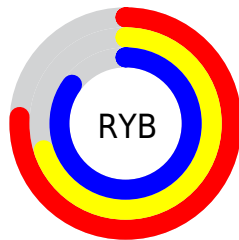
The Yxy color **48.5355, 0.2959, 0.2843** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.9111, 0.3276, 0.3728**, and the grayscale version is **49.8585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9607, 0.3103, 0.3095**, and **22.9839, 0.2908, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **38.8660, 0.2840, 0.2552**, and if you desaturate by 10%, it is **59.7246, 0.3062, 0.3113**.

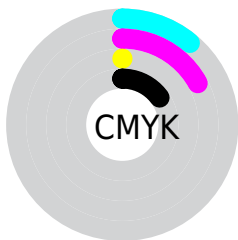
Distribution



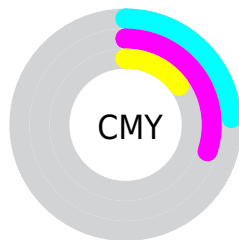
- Red (76%)
- Green (70%)
- Blue (85%)



- Red (76%)
- Yellow (70%)
- Blue (85%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)





- Cyan (24%)
- Magenta (30%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5355, 0.2959, 0.2843 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 48.5355, 0.2959, 0.2843 by changing the saturation by 10% instead.

 48.5355, 0.2959,
0.2843

 48.5355, 0.2959,
0.2843


380.9108, 0.3044,
0.3059

 34.2512, 0.2938,
0.2792


 88.0012, 0.2990,
0.2920

 23.0866, 0.2910,
0.2727


113.9513, 0.3002,
0.2949

 14.6575, 0.2873,
0.2643


144.5588, 0.3012,
0.2974

 8.5793, 0.2822,
0.2530

180.2081, 0.3020,
0.2995

 4.4678, 0.2746,
0.2371

221.2835, 0.3027,
0.3014

 1.9386, 0.2622,
0.2131

268.1695, 0.3034,

 0.5714, 0.2416,

0.3031

0.1647

321.2505, 0.3039,
0.3046

0.0000, 0.0000,
0.0000

48.5355, 0.2959,
0.2843

48.5355, 0.2959,
0.2843

38.8660, 0.2840,
0.2552

59.7246, 0.3062,
0.3113

30.6427, 0.2707,
0.2245

72.4900, 0.3151,
0.3358

23.7954, 0.2560,
0.1931

86.8931, 0.3227,
0.3578

18.2453, 0.2404,
0.1625

96.1826, 0.3303,
0.3678

13.9055, 0.2246,
0.1342

97.7377, 0.3358,
0.3671

■ 10.6779, 0.2093,
0.1102

■ 8.4483, 0.1953,
0.0918

■ 7.0665, 0.1834,
0.0796

■ 6.7549, 0.1803,
0.0767

Harmonies

Analogous

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



48.5355, 0.2727, 0.2824



48.5355, 0.2959, 0.2843



48.5355, 0.3247, 0.2968

Triad

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



48.5355, 0.2959, 0.2843



48.5355, 0.3678, 0.3629



48.5355, 0.2750, 0.3400

Complementary

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



48.5355, 0.2959, 0.2843



64.9111, 0.3276, 0.3728

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.



48.5355, 0.2992, 0.3648



48.5355, 0.2959, 0.2843



48.5355, 0.3530, 0.3773

Square

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



48.5355, 0.2959, 0.2843



48.5355, 0.3673, 0.3408



48.5355, 0.3277, 0.3786



48.5355, 0.2611, 0.3132

Rectangle

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



48.5355, 0.2959, 0.2843



48.5355, 0.3431, 0.3096



48.5355, 0.3277, 0.3786



48.5355, 0.2822, 0.3490

Sweetspot

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



48.5375, 0.2959, 0.2843



90.6646, 0.3082, 0.3166



56.9816, 0.2862, 0.3124



19.1353, 0.3075, 0.3148



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.



48.5375, 0.2959, 0.2843



64.7012, 0.2913, 0.2727



51.0513, 0.3106, 0.2863



12.2363, 0.3040, 0.3053



4.0557, 0.1819, 0.0775



0.2914, 0.2015, 0.0884

Inverse Universe

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



51.0951, 0.3260, 0.3024



69.2214, 0.3298, 0.2958



62.5447, 0.3141, 0.3747



12.5490, 0.3195, 0.3146



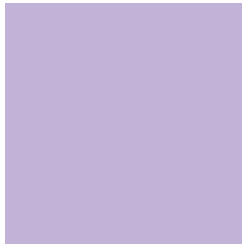
9.6802, 0.4450, 0.2225



0.5998, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 48.5355, 0.2959, 0.2843 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 48.5355, 0.2959, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

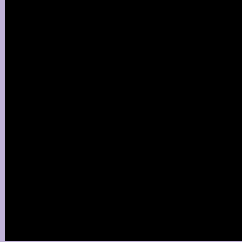
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5355, 0.2959, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 48.5355, 0.2959, 0.2843.



This preview shows how white text looks on a background with the Yxy color 48.5355, 0.2959, 0.2843.

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

48.5355, 0.2959, 0.2843

Protanopia

48.4464, 0.2822, 0.2844

Deuteranopia

48.6970, 0.2919, 0.2863



Tritanopia

48.4343, 0.3077, 0.3102

Trichromacy



Original Color

48.5355, 0.2959, 0.2843

Protanomaly

48.5851, 0.2867, 0.2847

Deuteranomaly

48.5475, 0.2935, 0.2852

Tritanomaly

48.4837, 0.3032, 0.3006

Monochromacy



Original Color

48.5355, 0.2959, 0.2843

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.1770, 0.3061, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5355, 0.2959, 0.2843 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(193, 179, 216)` looks like.

```
.text, #text, p{  
    color:rgb(193, 179, 216)  
}
```

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(193, 179, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 179, 216) }
```

Border

The CSS property to change the border of an element to Yxy 48.5355, 0.2959, 0.2843 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(193, 179, 216) }
```

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

```
.border{ border-color:rgb(193, 179, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 179, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 179, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 179, 216);  
box-shadow:4px 4px 4px 4px rgb(193, 179,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5355, 0.2959, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 179, 216) }
```

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

```
.background{ background-color: rgb(193,  
179, 216) }
```

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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