

Converting Colors

$Y_{xy}(45.4597, 0.2880, 0.2919)$

Have a look what the booklet for
Yxy(45.4597, 0.2880, 0.2919)
contains.

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Color

Yxy(45.4597, 0.2880, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	AFB2CF
RGB	175, 178, 207
RGB Percent	69%, 70%, 81%
CMY	0.3139, 0.3019, 0.1883
CMYK	0.15, 0.14, 0.00, 0.19
HSL	234°, 25%, 75%
HSV	234°, 15%, 81%
XYZ	44.8523, 45.4597, 65.4252
YIQ	180.4090, -11.0970, 8.3830

Conversions

Conversions Part 2

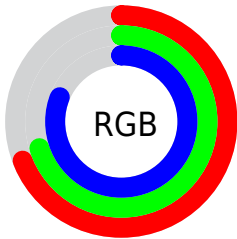
Format	Color
R _Y B	175, 178, 207
Decimal	11514575
CIE Lab	73.19, 4.82, -14.99
CIE LCh	73, 15.741, 287.815
Yxy	45.4597, 0.2880, 0.2919
Android (android.graphics.Color)	4289704655 (0xFFAFB2CF)
YUV	180.4090, 13.1094, -4.7437
Hunter-Lab	67.4238, 0.7518, -10.3358

Details

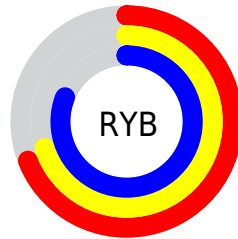
The Yxy color **45.4597, 0.2880, 0.2919** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.5003, 0.3363, 0.3636**, and the grayscale version is **45.8030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0546, 0.2980, 0.3077**, and **21.1047, 0.2803, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **36.2993, 0.2698, 0.2641**, and if you desaturate by 10%, it is **56.0074, 0.3045, 0.3167**.

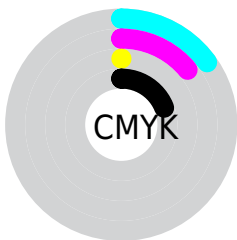
Distribution



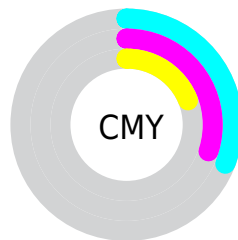
- Red (69%)
- Green (70%)
- Blue (81%)



- Red (69%)
- Yellow (70%)
- Blue (81%)



- Cyan (15%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4597, 0.2880, 0.2919 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 45.4597, 0.2880, 0.2919 by changing the saturation by 10% instead.

■ 45.4597, 0.2880,
0.2919

■ 45.4597, 0.2880,
0.2919

368.6322, 0.3004,
0.3102

■ 31.8197, 0.2849,
0.2874

■ 83.4098, 0.2925,
0.2985

■ 21.2238, 0.2809,
0.2817

108.4887, 0.2942,
0.3010

■ 13.2877, 0.2756,
0.2741

138.1493, 0.2956,
0.3031

■ 7.6269, 0.2682,
0.2638

172.7760, 0.2969,
0.3049

■ 3.8572, 0.2572,
0.2488

212.7533, 0.2979,
0.3065

■ 1.5940, 0.2394,
0.2250

258.4655, 0.2989,

■ 0.3535, 0.1955,

0.3079

0.1524

310.2970, 0.2997,
0.3091

0.0000, 0.0000,
0.0000

45.4597, 0.2880,
0.2919

45.4597, 0.2880,
0.2919

36.2993, 0.2698,
0.2641

56.0074, 0.3045,
0.3167

28.4630, 0.2502,
0.2336

67.9908, 0.3191,
0.3385

21.8911, 0.2297,
0.2012

81.4632, 0.3321,
0.3575

16.5170, 0.2093,
0.1682

95.9482, 0.3415,
0.3741

12.2681, 0.1903,
0.1365

97.2838, 0.3412,
0.3761

■ 9.0639, 0.1740,
0.1084

■ 6.8129, 0.1616,
0.0859

■ 5.4076, 0.1539,
0.0706

■ 4.9965, 0.1516,
0.0659

Harmonies

Analogous

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



45.4597, 0.2743, 0.2963



45.4597, 0.2880, 0.2919



45.4597, 0.3086, 0.2968

Triad

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



45.4597, 0.2880, 0.2919



45.4597, 0.3567, 0.3460



45.4597, 0.2939, 0.3496

Complementary

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



45.4597, 0.2880, 0.2919



59.5003, 0.3363, 0.3636

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.



45.4597, 0.3156, 0.3642



45.4597, 0.2880, 0.2919



45.4597, 0.3522, 0.3611

Square

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



45.4597, 0.2880, 0.2919



45.4597, 0.3489, 0.3273



45.4597, 0.3370, 0.3682



45.4597, 0.2777, 0.3292

Rectangle

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



45.4597, 0.2880, 0.2919



45.4597, 0.3237, 0.3046



45.4597, 0.3370, 0.3682



45.4597, 0.3008, 0.3554

Sweetspot

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



45.4616, 0.2880, 0.2919



90.5237, 0.3051, 0.3177



58.0714, 0.2915, 0.3329



19.1009, 0.3040, 0.3160



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.



45.4616, 0.2880, 0.2919



67.0995, 0.2813, 0.2818



45.8094, 0.2983, 0.2891



11.5968, 0.2982, 0.3073



3.2116, 0.1520, 0.0670



0.2434, 0.1576, 0.0874

Inverse Universe

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



47.1209, 0.3389, 0.3253



70.3802, 0.3467, 0.3244



59.1986, 0.3256, 0.3683



11.8263, 0.3276, 0.3268



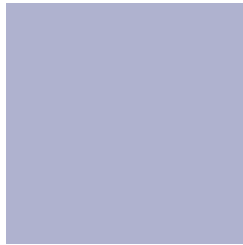
8.3955, 0.6282, 0.3234



0.4759, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 45.4597, 0.2880, 0.2919 looks on a white background.

Color Contrast Check

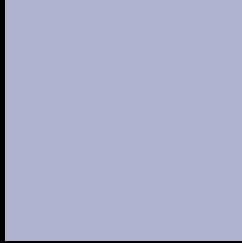
Large Text (above 18pt) WCAG AA × Fail

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 45.4597, 0.2880, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

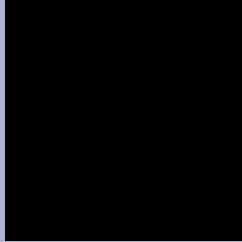
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

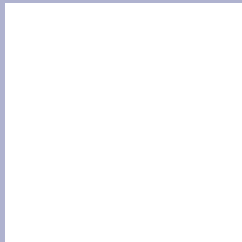
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4597, 0.2880, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 45.4597, 0.2880, 0.2919.



This preview shows how white text looks on a background with the Yxy color 45.4597, 0.2880, 0.2919.

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

45.4597, 0.2880, 0.2919

Protanopia

45.3445, 0.2872, 0.2918

Deuteranopia

45.4044, 0.2944, 0.2876



Tritanopia

45.4218, 0.2960, 0.3106

Trichromacy



Original Color

45.4597, 0.2880, 0.2919

Protanomaly

45.3445, 0.2872, 0.2918

Deuteranomaly

45.4285, 0.2920, 0.2886

Tritanomaly

45.3624, 0.2931, 0.3030

Monochromacy



Original Color

45.4597, 0.2880, 0.2919

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4229, 0.3032, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4597, 0.2880, 0.2919 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(175, 178, 207)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 207)  
}
```

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(175, 178, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 207) }
```

Border

The CSS property to change the border of an element to Yxy 45.4597, 0.2880, 0.2919 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(175, 178, 207) }
```

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

```
.border{ border-color:rgb(175, 178, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 207);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4597, 0.2880, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 207) }
```

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

```
.background{ background-color: rgb(175,  
178, 207) }
```

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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