

Converting Colors

$Y_{xy}(45.6230, 0.3053, 0.3167)$

Have a look what the booklet for
Yxy(45.6230, 0.3053, 0.3167)
contains.

Yxy(45.4980, 0.3048, 0.3159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.4980, 0.3048, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	B3B3BD
RGB	179, 179, 189
RGB Percent	70%, 70%, 74%
CMY	0.2980, 0.2980, 0.2587
CMYK	0.05, 0.05, 0.00, 0.26
HSL	240°, 7%, 72%
HSV	240°, 5%, 74%
XYZ	43.8993, 45.4980, 54.6293
YIQ	180.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

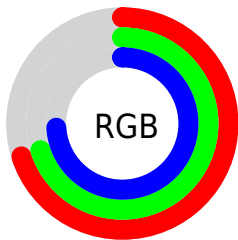
Format	Color
RYB	179, 179, 189
Decimal	11776957
CIELab	73.22, 1.93, -5.10
CIELCh	73, 5.451, 290.752
Yxy	45.4980, 0.3048, 0.3159
Android (android.graphics.Color)	4289967037 (0xFFB3B3BD)
YUV	180.1400, 4.3680, -0.9998
Hunter-Lab	67.4522, -1.8698, -0.8022

Details

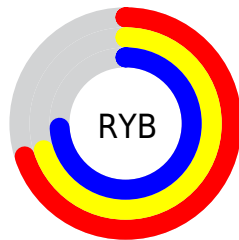
The Yxy color $45.4980, 0.3048, 0.3159$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $50.4850, 0.3204, 0.3418$, and the grayscale version is $45.7004, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.6714, 0.3066, 0.3188$, and $21.1349, 0.3019, 0.3111$ is the 20% darker color. If you saturate the color by 10%, you get $36.3362, 0.2883, 0.2886$, and if you desaturate by 10%, it is $56.0107, 0.3192, 0.3398$.

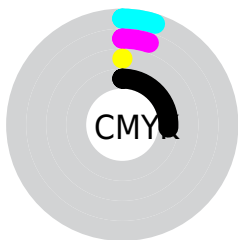
Distribution



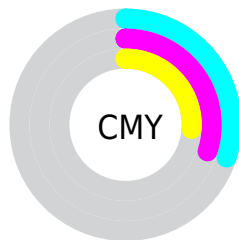
- Red (70%)
- Green (70%)
- Blue (74%)



- Red (70%)
- Yellow (70%)
- Blue (74%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (30%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4980, 0.3048, 0.3159 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 45.4980, 0.3048, 0.3159 by changing the saturation by 10% instead.

■ 45.4980, 0.3048,
0.3159

■ 45.4980, 0.3048,
0.3159

368.7867, 0.3088,
0.3225

■ 31.8499, 0.3038,
0.3143

■ 83.4672, 0.3063,
0.3183

■ 21.2468, 0.3025,
0.3122

108.5571, 0.3068,
0.3192

■ 13.3046, 0.3008,
0.3094

138.2296, 0.3073,
0.3199

■ 7.6386, 0.2983,
0.3055

172.8693, 0.3077,
0.3206

■ 3.8646, 0.2947,
0.2996

212.8604, 0.3080,
0.3211

■ 1.5981, 0.2885,
0.2900

258.5875, 0.3083,

■ 0.3563, 0.2596,

0.3216

0.2397

310.4348, 0.3086,
0.3221

0.0000, 0.0000,
0.0000

45.4980, 0.3048,
0.3159

45.4980, 0.3048,
0.3159

36.3362, 0.2883,
0.2886

56.0107, 0.3192,
0.3398

28.4650, 0.2698,
0.2580

67.9198, 0.3318,
0.3605

21.8283, 0.2496,
0.2246

81.2759, 0.3425,
0.3783

16.3634, 0.2284,
0.1895

96.1252, 0.3518,
0.3936

12.0023, 0.2072,
0.1544

96.4555, 0.3520,
0.3939

■ 8.6700, 0.1875,
0.1219

■ 6.2820, 0.1710,
0.0946

■ 4.7407, 0.1590,
0.0748

■ 3.9262, 0.1522,
0.0636

Harmonies

Analogous

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



45.4980, 0.2996, 0.3173



45.4980, 0.3048, 0.3159



45.4980, 0.3122, 0.3179

Triad

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



45.4980, 0.3048, 0.3159



45.4980, 0.3278, 0.3358



45.4980, 0.3056, 0.3354

Complementary

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



45.4980, 0.3048, 0.3159



50.4850, 0.3204, 0.3418

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.



45.4980, 0.3131, 0.3405



45.4980, 0.3048, 0.3159



45.4980, 0.3260, 0.3407

Square

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



45.4980, 0.3048, 0.3159



45.4980, 0.3256, 0.3293



45.4980, 0.3206, 0.3424



45.4980, 0.3000, 0.3286

Rectangle

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



45.4980, 0.3048, 0.3159



45.4980, 0.3174, 0.3209



45.4980, 0.3206, 0.3424



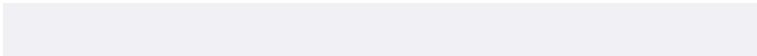
45.4980, 0.3080, 0.3374

Sweetspot

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



45.4999, 0.3048, 0.3159



87.3531, 0.3098, 0.3241



49.6676, 0.3046, 0.3290



18.8262, 0.3099, 0.3244



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.4999, 0.3048, 0.3159



80.0797, 0.3036, 0.3139



46.1076, 0.3090, 0.3161



9.8147, 0.3029, 0.3127



2.4728, 0.1500, 0.0600



0.0970, 0.1502, 0.0601

Inverse Universe

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



46.7379, 0.3133, 0.3163



82.6122, 0.3134, 0.3144



49.8554, 0.3163, 0.3419



10.1503, 0.3135, 0.3133



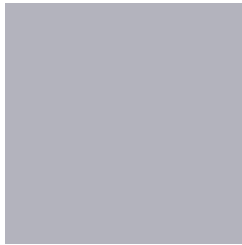
9.7473, 0.3211, 0.1543



0.3818, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 45.4980, 0.3048, 0.3159 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 45.4980, 0.3048, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

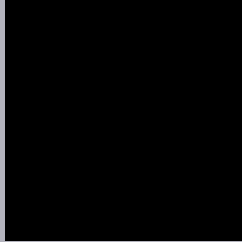
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

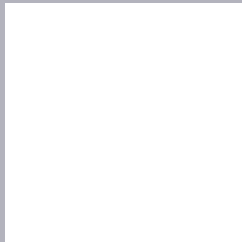
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4980, 0.3048, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 45.4980, 0.3048, 0.3159.

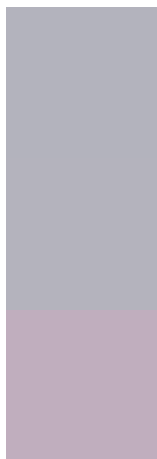


This preview shows how white text looks on a background with the Yxy color 45.4980, 0.3048, 0.3159.

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

45.4980, 0.3048, 0.3159

Protanopia

45.6176, 0.3057, 0.3160

Deuteranopia

45.1963, 0.3154, 0.3088



Tritanopia

45.3943, 0.3026, 0.3096

Trichromacy



Original Color

45.4980, 0.3048, 0.3159

Protanomaly

45.6176, 0.3057, 0.3160

Deuteranomaly

45.3332, 0.3110, 0.3111

Tritanomaly

45.3499, 0.3033, 0.3108

Monochromacy



Original Color

45.4980, 0.3048, 0.3159

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7647, 0.3103, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4980, 0.3048, 0.3159 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(179, 179, 189)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 189)  
}
```

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(179, 179, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 189) }
```

Border

The CSS property to change the border of an element to Yxy 45.4980, 0.3048, 0.3159 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(179, 179, 189) }
```

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

```
.border{ border-color:rgb(179, 179, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 189);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4980, 0.3048, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 189) }
```

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

```
.background{ background-color: rgb(179,  
179, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor