

Converting Colors

$Yxy(50.1198, 0.3056, 0.3189)$

Have a look what the booklet for
Yxy(50.1198, 0.3056, 0.3189)
contains.

Yxy(49.9199, 0.3058, 0.3189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.9199, 0.3058, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	BABBC3
RGB	186, 187, 195
RGB Percent	73%, 73%, 76%
CMY	0.2706, 0.2666, 0.2352
CMYK	0.05, 0.04, 0.00, 0.24
HSL	233°, 7%, 75%
HSV	233°, 5%, 76%
XYZ	47.8693, 49.9199, 58.7486
YIQ	187.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

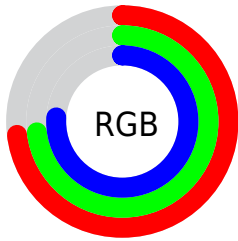
Format	Color
R _Y B	186, 187, 195
Decimal	12237763
CIE Lab	76.02, 1.17, -4.17
CIE LCh	76, 4.327, 285.717
Yxy	49.9199, 0.3058, 0.3189
Android (android.graphics.Color)	4290427843 (0xFFBABB3)
YUV	187.6130, 3.6418, -1.4146
Hunter-Lab	70.6540, -2.7079, 0.1583

Details

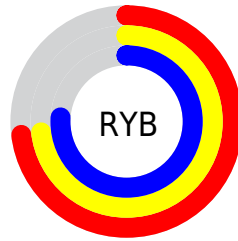
The Yxy color **49.9199, 0.3058, 0.3189** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.7299, 0.3195, 0.3389**, and the grayscale version is **50.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0067, 0.3067, 0.3201**, and **23.9598, 0.3044, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **40.7389, 0.2896, 0.2949**, and if you desaturate by 10%, it is **60.3231, 0.3203, 0.3400**.

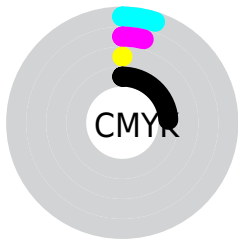
Distribution



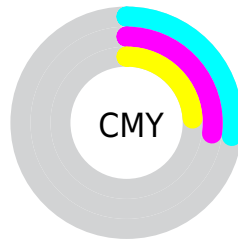
- Red (73%)
- Green (73%)
- Blue (76%)



- Red (73%)
- Yellow (73%)
- Blue (76%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (27%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9199, 0.3058, 0.3189 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 49.9199, 0.3058, 0.3189 by changing the saturation by 10% instead.

■ 49.9199, 0.3058,
0.3189

■ 49.9199, 0.3058,
0.3189

■ 386.3526, 0.3092,
0.3239

■ 35.3498, 0.3050,
0.3177

■ 90.0562, 0.3070,
0.3207

■ 23.9324, 0.3039,
0.3161

■ 116.3911, 0.3075,
0.3214

■ 15.2835, 0.3024,
0.3141

■ 147.4164, 0.3079,
0.3220

■ 9.0186, 0.3005,
0.3112

■ 183.5165, 0.3082,
0.3224

■ 4.7533, 0.2976,
0.3071

■ 225.0758, 0.3085,
0.3229

■ 2.1033, 0.2928,
0.3004

■ 272.4786, 0.3088,

■ 0.6665, 0.2822,

0.3233

0.2840

326.1095, 0.3090,
0.3236

0.0000, 0.0000,
0.0000

49.9199, 0.3058,
0.3189

49.9199, 0.3058,
0.3189

40.7389, 0.2896,
0.2949

60.3231, 0.3203,
0.3400

32.7291, 0.2717,
0.2680

71.9845, 0.3331,
0.3583

25.8450, 0.2524,
0.2385

84.9466, 0.3443,
0.3742

20.0361, 0.2322,
0.2069

96.7207, 0.3484,
0.3880

15.2476, 0.2120,
0.1745

■ 11.4203, 0.1930,
0.1430

■ 8.4884, 0.1764,
0.1145

■ 6.3780, 0.1636,
0.0910

■ 5.0028, 0.1552,
0.0741

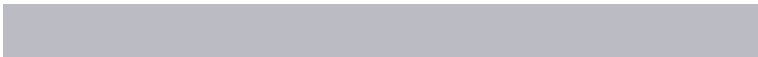
Harmonies

Analogous

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



49.9199, 0.3022, 0.3205



49.9199, 0.3058, 0.3189



49.9199, 0.3113, 0.3200

Triad

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



49.9199, 0.3058, 0.3189



49.9199, 0.3243, 0.3335



49.9199, 0.3082, 0.3347

Complementary

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



49.9199, 0.3058, 0.3189



53.7299, 0.3195, 0.3389

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.



49.9199, 0.3140, 0.3383



49.9199, 0.3058, 0.3189



49.9199, 0.3234, 0.3375

Square

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



49.9199, 0.3058, 0.3189



49.9199, 0.3220, 0.3283



49.9199, 0.3196, 0.3393



49.9199, 0.3035, 0.3296

Rectangle

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



49.9199, 0.3058, 0.3189



49.9199, 0.3153, 0.3221



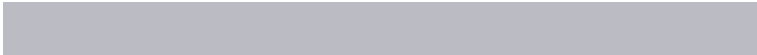
49.9199, 0.3196, 0.3393



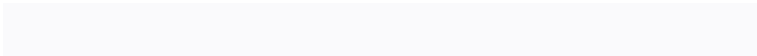
49.9199, 0.3100, 0.3361

Sweetspot

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



49.9220, 0.3058, 0.3189



95.8689, 0.3112, 0.3268



53.3667, 0.3064, 0.3303



21.0143, 0.3113, 0.3269



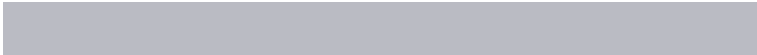
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



49.9220, 0.3058, 0.3189



86.8525, 0.3035, 0.3156



49.9305, 0.3087, 0.3177



10.5026, 0.3028, 0.3145



2.9969, 0.1525, 0.0690



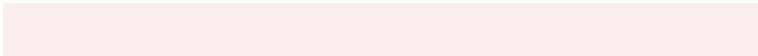
0.1917, 0.1603, 0.0969

Inverse Universe

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



50.3054, 0.3195, 0.3278



87.7561, 0.3218, 0.3274



53.7286, 0.3167, 0.3402



10.6213, 0.3225, 0.3272



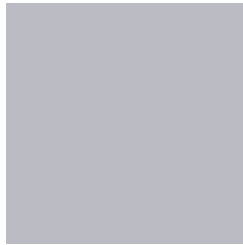
7.5848, 0.6248, 0.3216



0.3340, 0.5806, 0.2972

Previews

White Background



This preview shows how the Yxy color 49.9199, 0.3058, 0.3189 looks on a white background.

Color Contrast Check

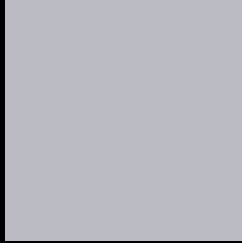
Large Text (above 18pt) WCAG AA × Fail

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 49.9199, 0.3058, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

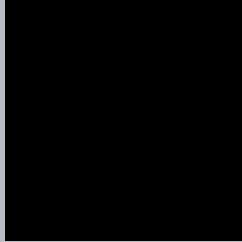
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

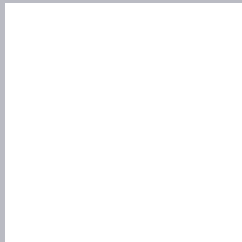
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9199, 0.3058, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 49.9199, 0.3058, 0.3189.



This preview shows how white text looks on a background with the Yxy color 49.9199, 0.3058, 0.3189.

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

49.9199, 0.3058, 0.3189

Protanopia

49.8768, 0.3083, 0.3177

Deuteranopia

49.8589, 0.3177, 0.3120



Tritanopia

49.8997, 0.3022, 0.3103

Trichromacy



Original Color

49.9199, 0.3058, 0.3189

Protanomaly

49.7493, 0.3075, 0.3177

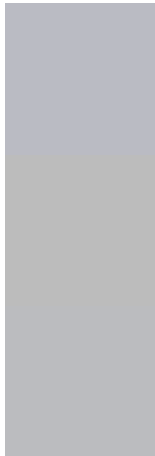
Deuteranomaly

50.0023, 0.3134, 0.3142

Tritanomaly

49.8061, 0.3037, 0.3127

Monochromacy



Original Color

49.9199, 0.3058, 0.3189

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.2928, 0.3096, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9199, 0.3058, 0.3189 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(186, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(186, 187, 195)  
}
```

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(186, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 187, 195) }
```

Border

The CSS property to change the border of an element to Yxy 49.9199, 0.3058, 0.3189 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(186, 187, 195) }
```

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

```
.border{ border-color:rgb(186, 187, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 187, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 187, 195);  
box-shadow:4px 4px 4px 4px rgb(186, 187,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9199, 0.3058, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 187, 195) }
```

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

```
.background{ background-color: rgb(186,  
187, 195) }
```

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