

Converting Colors

$Yxy(49.8361, 0.3017, 0.3170)$

Have a look what the booklet for
Yxy(49.8361, 0.3017, 0.3170)
contains.

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Color

Yxy(50.0649, 0.3019, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	B7BCC5
RGB	183, 188, 197
RGB Percent	72%, 74%, 77%
CMY	0.2823, 0.2627, 0.2274
CMYK	0.07, 0.05, 0.00, 0.23
HSL	219°, 11%, 75%
HSV	219°, 7%, 77%
XYZ	47.5900, 50.0649, 59.9801
YIQ	187.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

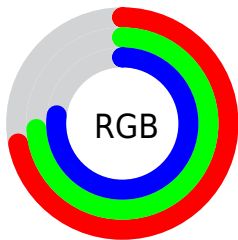
Format	Color
R _Y B	183, 187, 197
Decimal	12041413
CIE Lab	76.11, 0.01, -5.14
CIE LCh	76, 5.142, 270.150
Yxy	50.0649, 0.3019, 0.3176
Android (android.graphics.Color)	4290231493 (0xFFB7BCC5)
YUV	187.5310, 4.6682, -3.9737
Hunter-Lab	70.7566, -3.7670, -0.7304

Details

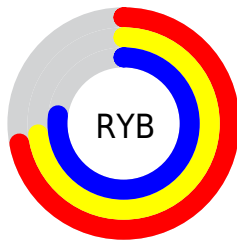
The Yxy color **50.0649, 0.3019, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.9901, 0.3237, 0.3401**, and the grayscale version is **49.9865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2078, 0.3036, 0.3191**, and **24.0569, 0.2991, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **42.6426, 0.2858, 0.2999**, and if you desaturate by 10%, it is **58.3043, 0.3170, 0.3334**.

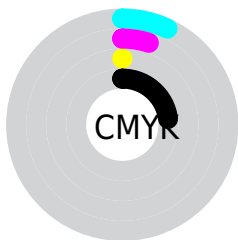
Distribution



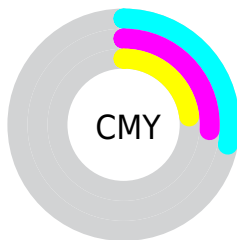
- Red (72%)
- Green (74%)
- Blue (77%)



- Red (72%)
- Yellow (73%)
- Blue (77%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (28%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0649, 0.3019, 0.3176 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 50.0649, 0.3019, 0.3176 by changing the saturation by 10% instead.

■ 50.0649, 0.3019,
0.3176

■ 50.0649, 0.3019,
0.3176

386.9197, 0.3072,
0.3232

■ 35.4650, 0.3006,
0.3162

■ 90.2710, 0.3038,
0.3196

■ 24.0213, 0.2989,
0.3144

116.6460, 0.3046,
0.3204

■ 15.3494, 0.2967,
0.3121

147.7148, 0.3052,
0.3210

■ 9.0650, 0.2937,
0.3089

183.8618, 0.3057,
0.3216

■ 4.7836, 0.2892,
0.3042

225.4714, 0.3062,
0.3221

■ 2.1208, 0.2820,
0.2966

272.9280, 0.3066,

■ 0.6763, 0.2656,

0.3225

0.2793

326.6159, 0.3069,
0.3229

0.0000, 0.0000,
0.0000

50.0649, 0.3019,
0.3176

50.0649, 0.3019,
0.3176

42.6426, 0.2858,
0.2999

58.3043, 0.3170,
0.3334

36.0049, 0.2689,
0.2802

67.3794, 0.3309,
0.3473

30.1265, 0.2514,
0.2586

77.3158, 0.3437,
0.3594

24.9779, 0.2338,
0.2354

86.8232, 0.3505,
0.3708

20.5279, 0.2166,
0.2110

94.4853, 0.3479,
0.3826

■ 16.7424, 0.2007,
0.1863

■ 96.8114, 0.3472,
0.3860

■ 13.5841, 0.1867,
0.1620

■ 11.0110, 0.1754,
0.1392

■ 8.9706, 0.1670,
0.1189

Harmonies

Analogous

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



50.0649, 0.2992, 0.3210



50.0649, 0.3019, 0.3176



50.0649, 0.3075, 0.3173

Triad

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



50.0649, 0.3019, 0.3176



50.0649, 0.3255, 0.3312



50.0649, 0.3108, 0.3383

Complementary

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



50.0649, 0.3019, 0.3176



52.9901, 0.3237, 0.3401

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.



50.0649, 0.3179, 0.3411



50.0649, 0.3019, 0.3176



50.0649, 0.3264, 0.3369

Square

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



50.0649, 0.3019, 0.3176



50.0649, 0.3211, 0.3251



50.0649, 0.3236, 0.3405



50.0649, 0.3044, 0.3330

Rectangle

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



50.0649, 0.3019, 0.3176



50.0649, 0.3121, 0.3188



50.0649, 0.3236, 0.3405



50.0649, 0.3132, 0.3396

Sweetspot

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



50.0670, 0.3019, 0.3176



96.9717, 0.3097, 0.3258



53.8018, 0.3055, 0.3354



20.7877, 0.3098, 0.3260



0.0000, 0.0000, 0.0000



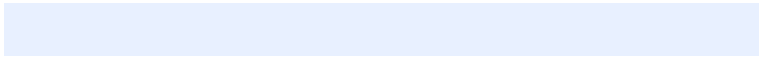
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0670, 0.3019, 0.3176



86.8506, 0.2987, 0.3142



48.1973, 0.3035, 0.3113



10.8972, 0.2983, 0.3137



5.7078, 0.1655, 0.1158



0.4071, 0.1775, 0.1589

Inverse Universe

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



49.3697, 0.3207, 0.3228



85.3074, 0.3231, 0.3210



54.9736, 0.3216, 0.3463



10.6985, 0.3235, 0.3208



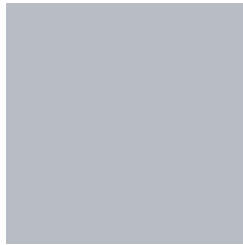
8.1162, 0.5526, 0.2818



0.3981, 0.4945, 0.2497

Previews

White Background



This preview shows how the Yxy color 50.0649, 0.3019, 0.3176 looks on a white background.

Color Contrast Check

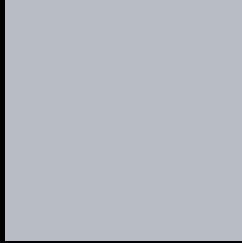
Large Text (above 18pt) WCAG AA × Fail

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 50.0649, 0.3019, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

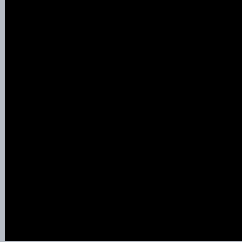
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

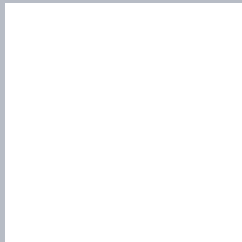
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0649, 0.3019, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 50.0649, 0.3019, 0.3176.



This preview shows how white text looks on a background with the Yxy color 50.0649, 0.3019, 0.3176.

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

50.0649, 0.3019, 0.3176

Protanopia

49.7947, 0.3067, 0.3165

Deuteranopia

49.9506, 0.3162, 0.3096



Tritanopia

49.9953, 0.2990, 0.3102

Trichromacy



Original Color

50.0649, 0.3019, 0.3176

Protanomaly

49.9653, 0.3051, 0.3177

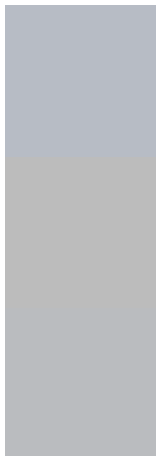
Deuteranomaly

49.8275, 0.3102, 0.3117

Tritanomaly

49.9011, 0.3005, 0.3126

Monochromacy



Original Color

50.0649, 0.3019, 0.3176

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1671, 0.3088, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0649, 0.3019, 0.3176 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(183, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(183, 188, 197)  
}
```

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(183, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 188, 197) }
```

Border

The CSS property to change the border of an element to Yxy 50.0649, 0.3019, 0.3176 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(183, 188, 197) }
```

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

```
.border{ border-color:rgb(183, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(183, 188,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0649, 0.3019, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 188, 197) }
```

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

```
.background{ background-color: rgb(183,  
188, 197) }
```

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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