

Converting Colors

$Y_{xy}(49.2576, 0.3053, 0.3278)$

Have a look what the booklet for
Yxy(49.2576, 0.3053, 0.3278)
contains.

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Color

Yxy(49.3439, 0.3054, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	B4BCBD
RGB	180, 188, 189
RGB Percent	71%, 74%, 74%
CMY	0.2942, 0.2627, 0.2588
CMYK	0.05, 0.01, 0.00, 0.26
HSL	187°, 6%, 72%
HSV	187°, 5%, 74%
XYZ	45.9860, 49.3439, 55.2465
YIQ	185.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

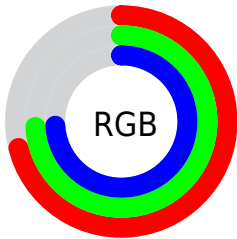
Format	Color
RYB	180, 184, 189
Decimal	11844797
CIELab	75.66, -2.58, -1.48
CIELCh	76, 2.975, 209.743
Yxy	49.3439, 0.3054, 0.3277
Android (android.graphics.Color)	4290034877 (0xFFB4BCBD)
YUV	185.7220, 1.6161, -5.0182
Hunter-Lab	70.2452, -6.0741, 2.5412




Details

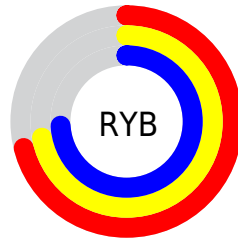
The Yxy color **49.3439, 0.3054, 0.3277** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1464, 0.3204, 0.3303**, and the grayscale version is **48.9310, 0.3127, 0.3290**.




A 20% lighter version of the original color is **89.1268, 0.3070, 0.3280**, and **23.6175, 0.3029, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **46.3501, 0.2904, 0.3248**, and if you desaturate by 10%, it is **52.6640, 0.3208, 0.3304**.

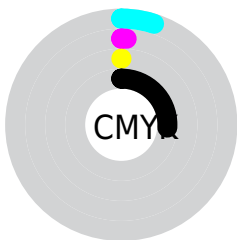
Distribution







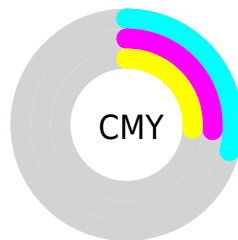
-  Red (71%)
-  Green (74%)
-  Blue (74%)






-  Red (71%)
-  Yellow (72%)
-  Blue (74%)



-  Cyan (5%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (26%)



-  Cyan (29%)
-  Magenta (26%)
-  Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3439, 0.3054, 0.3277 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 49.3439, 0.3054, 0.3277 by changing the saturation by 10% instead.

■ 49.3439, 0.3054,
0.3277

■ 49.3439, 0.3054,
0.3277

384.0946, 0.3090,
0.3284

■ 34.8924, 0.3045,
0.3275

■ 89.2020, 0.3067,
0.3279

■ 23.5800, 0.3034,
0.3273

115.3774, 0.3072,
0.3280

■ 15.0223, 0.3019,
0.3270

146.2294, 0.3076,
0.3281

■ 8.8351, 0.2998,
0.3266

182.1427, 0.3080,
0.3282

■ 4.6338, 0.2967,
0.3260

223.5014, 0.3083,
0.3282

■ 2.0340, 0.2917,
0.3250

270.6900, 0.3086,

■ 0.6271, 0.2739,

0.3283

324.0930, 0.3088,
0.3283

0.3222

0.0000, 0.0000,
0.0000

49.3439, 0.3054,
0.3277

49.3439, 0.3054,
0.3277

46.3501, 0.2904,
0.3248

52.6640, 0.3208,
0.3304

43.6637, 0.2761,
0.3217

56.3158, 0.3363,
0.3327

41.2736, 0.2628,
0.3183

60.3126, 0.3517,
0.3349

39.1653, 0.2508,
0.3148

64.5562, 0.3664,
0.3368

37.3234, 0.2402,
0.3111

65.5010, 0.3659,
0.3389

■ 35.7307, 0.2315,
0.3073

■ 66.4588, 0.3653,
0.3410

■ 34.3678, 0.2245,
0.3035

■ 67.4297, 0.3648,
0.3432

■ 33.2126, 0.2195,
0.2997

■ 68.4137, 0.3642,
0.3453

■ 32.2381, 0.2163,
0.2960

■ 69.4108, 0.3637,
0.3474

Harmonies

Analogous

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



49.3439, 0.3079, 0.3314



49.3439, 0.3054, 0.3277



49.3439, 0.3048, 0.3244

Triad

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



49.3439, 0.3054, 0.3277



49.3439, 0.3137, 0.3237



49.3439, 0.3191, 0.3357

Complementary

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



49.3439, 0.3054, 0.3277



47.1464, 0.3204, 0.3303

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.



49.3439, 0.3207, 0.3336



49.3439, 0.3054, 0.3277



49.3439, 0.3176, 0.3267

Square

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



49.3439, 0.3054, 0.3277



49.3439, 0.3096, 0.3221



49.3439, 0.3201, 0.3303



49.3439, 0.3158, 0.3360

Rectangle

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



49.3439, 0.3054, 0.3277



49.3439, 0.3057, 0.3229



49.3439, 0.3201, 0.3303



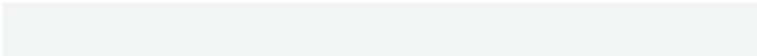
49.3439, 0.3198, 0.3352

Sweetspot

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



49.3460, 0.3054, 0.3277



90.5415, 0.3112, 0.3287



49.4281, 0.3115, 0.3395



19.4771, 0.3112, 0.3287



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.



49.3460, 0.3054, 0.3277



87.6351, 0.3034, 0.3273



47.4829, 0.3055, 0.3220



10.8156, 0.3027, 0.3272



21.4449, 0.2151, 0.2945



0.8917, 0.2176, 0.3035

Inverse Universe

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



47.0818, 0.3140, 0.3188



82.5149, 0.3144, 0.3159



48.9754, 0.3200, 0.3359



10.1374, 0.3146, 0.3150



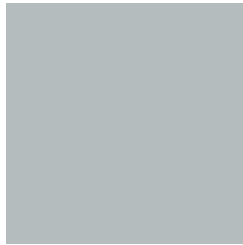
9.1946, 0.3503, 0.1703



0.3654, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 49.3439, 0.3054, 0.3277 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 49.3439, 0.3054, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

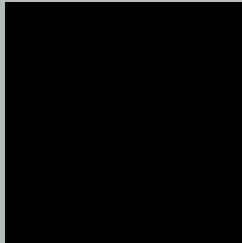
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

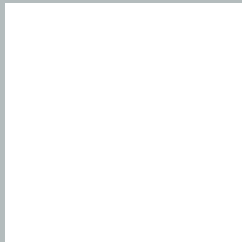
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3439, 0.3054, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 49.3439, 0.3054, 0.3277.

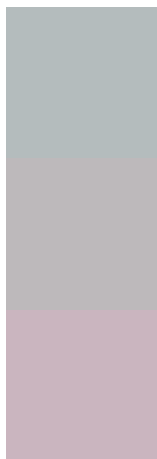


This preview shows how white text looks on a background with the Yxy color 49.3439, 0.3054, 0.3277.

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

49.3439, 0.3054, 0.3277

Protanopia

49.1046, 0.3145, 0.3265

Deuteranopia

49.3659, 0.3227, 0.3168



Tritanopia

49.2799, 0.2982, 0.3100

Trichromacy



Original Color

49.3439, 0.3054, 0.3277

Protanomaly

49.1878, 0.3112, 0.3265

Deuteranomaly

49.4680, 0.3164, 0.3215

Tritanomaly

49.3956, 0.3003, 0.3163

Monochromacy



Original Color

49.3439, 0.3054, 0.3277

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3189, 0.3102, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3439, 0.3054, 0.3277 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(180, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 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(180, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.3439, 0.3054, 0.3277 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(180, 188, 189) }
```

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

```
.border{ border-color:rgb(180, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 189);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3439, 0.3054, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 189) }
```

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

```
.background{ background-color: rgb(180,  
188, 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](#).

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