

Converting Colors

$Y_{xy}(48.6930, 0.3143, 0.3177)$

Have a look what the booklet for
Yxy(48.6930, 0.3143, 0.3177)
contains.

Yxy(48.5549, 0.3149, 0.3178)	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(48.5549, 0.3149, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	C1B6BF
RGB	193, 182, 191
RGB Percent	76%, 71%, 75%
CMY	0.2434, 0.2862, 0.2510
CMYK	0.00, 0.06, 0.01, 0.24
HSL	311°, 8%, 74%
HSV	311°, 6%, 76%
XYZ	48.1118, 48.5549, 56.1177
YIQ	186.3150, 3.6670, 5.1310

Conversions

Conversions Part 2

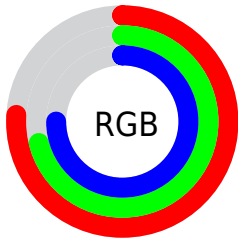
Format	Color
RYB	193, 182, 191
Decimal	12695231
CIELab	75.17, 5.49, -3.16
CIElCh	75, 6.334, 330.106
Yxy	48.5549, 0.3149, 0.3178
Android (android.graphics.Color)	4290885311 (0xFFC1B6BF)
YUV	186.3150, 2.3097, 5.8627
Hunter-Lab	69.6813, 1.3038, 1.0279

Details

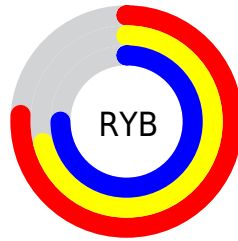
The Yxy color **48.5549, 0.3149, 0.3178** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.5227, 0.3106, 0.3405**, and the grayscale version is **49.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0042, 0.3144, 0.3202**, and **23.0245, 0.3146, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **41.0393, 0.3192, 0.2974**, and if you desaturate by 10%, it is **57.1672, 0.3112, 0.3374**.

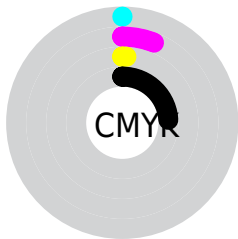
Distribution



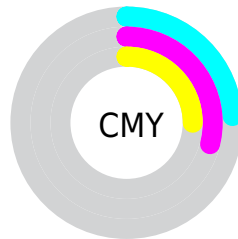
- Red (76%)
- Green (71%)
- Blue (75%)



- Red (76%)
- Yellow (71%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (24%)





- Cyan (24%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5549, 0.3149, 0.3178 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 48.5549, 0.3149, 0.3178 by changing the saturation by 10% instead.

 48.5549, 0.3149,
0.3178

 48.5549, 0.3149,
0.3178

380.9874, 0.3138,
0.3233

 34.2665, 0.3152,
0.3164


 88.0300, 0.3145,
0.3198

 23.0984, 0.3155,
0.3147


113.9856, 0.3144,
0.3205

 14.6662, 0.3159,
0.3124


144.5990, 0.3143,
0.3212

 8.5855, 0.3165,
0.3093

180.2546, 0.3141,
0.3217

 4.4718, 0.3173,
0.3047

221.3369, 0.3141,
0.3222

 1.9408, 0.3186,
0.2973

268.2302, 0.3140,

 0.5727, 0.3238,

0.3226

0.2733

321.3189, 0.3139,
0.3230

0.0000, 0.0000,
0.0000

48.5549, 0.3149,
0.3178

48.5549, 0.3149,
0.3178

41.0393, 0.3192,
0.2974

57.1672, 0.3112,
0.3374

34.5698, 0.3242,
0.2765

66.9116, 0.3080,
0.3558

29.1012, 0.3297,
0.2558

77.8298, 0.3052,
0.3730

24.5826, 0.3358,
0.2361

87.2489, 0.3030,
0.3846

20.9586, 0.3424,
0.2182

87.4176, 0.3011,
0.3806

■ 18.1680, 0.3492,
0.2032

■ 87.5900, 0.2993,
0.3767

■ 16.1421, 0.3562,
0.1920

■ 87.7661, 0.2974,
0.3727

■ 14.8008, 0.3630,
0.1851

■ 87.9460, 0.2956,
0.3688

■ 14.0451, 0.3695,
0.1827

■ 88.1296, 0.2937,
0.3649

Harmonies

Analogous

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



48.5549, 0.3062, 0.3144



48.5549, 0.3149, 0.3178



48.5549, 0.3232, 0.3241

Triad

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



48.5549, 0.3149, 0.3178



48.5549, 0.3263, 0.3433



48.5549, 0.2971, 0.3260

Complementary

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



48.5549, 0.3149, 0.3178



51.5227, 0.3106, 0.3405

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.



48.5549, 0.3023, 0.3340



48.5549, 0.3149, 0.3178



48.5549, 0.3191, 0.3441

Square

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



48.5549, 0.3149, 0.3178



48.5549, 0.3298, 0.3387



48.5549, 0.3104, 0.3406



48.5549, 0.2960, 0.3190

Rectangle

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



48.5549, 0.3149, 0.3178



48.5549, 0.3272, 0.3291



48.5549, 0.3104, 0.3406



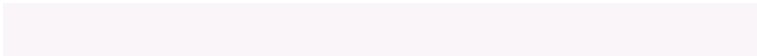
48.5549, 0.2984, 0.3287

Sweetspot

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



48.5570, 0.3149, 0.3178



92.3909, 0.3135, 0.3250



47.4849, 0.3057, 0.3150



19.8543, 0.3134, 0.3252



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.5570, 0.3149, 0.3178



84.9490, 0.3155, 0.3149



48.3269, 0.3191, 0.3244



10.5409, 0.3156, 0.3141



9.2028, 0.3716, 0.1821



0.4059, 0.3584, 0.1748

Inverse Universe

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



48.5570, 0.3149, 0.3178



84.9490, 0.3155, 0.3149



51.7501, 0.3067, 0.3336



10.5409, 0.3156, 0.3141



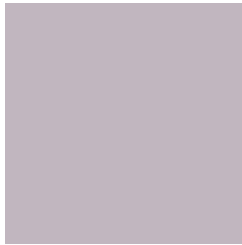
9.2028, 0.3716, 0.1821



0.4059, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 48.5549, 0.3149, 0.3178 looks on a white background.

Color Contrast Check

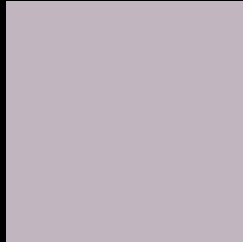
Large Text (above 18pt) WCAG AA × Fail

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 48.5549, 0.3149, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

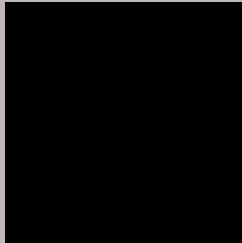
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

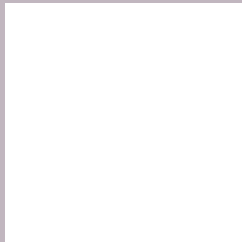
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5549, 0.3149, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 48.5549, 0.3149, 0.3178.



This preview shows how white text looks on a background with the Yxy color 48.5549, 0.3149, 0.3178.

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

48.5549, 0.3149, 0.3178

Protanopia

48.5259, 0.3082, 0.3188

Deuteranopia

48.2811, 0.3212, 0.3143



Tritanopia

48.5026, 0.3119, 0.3104

Trichromacy



Original Color

48.5549, 0.3149, 0.3178

Protanomaly

48.4916, 0.3107, 0.3177

Deuteranomaly

48.2744, 0.3185, 0.3154

Tritanomaly

48.4121, 0.3135, 0.3128

Monochromacy



Original Color

48.5549, 0.3149, 0.3178

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1476, 0.3137, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5549, 0.3149, 0.3178 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(193, 182, 191)` looks like.

```
.text, #text, p{  
    color:rgb(193, 182, 191)  
}
```

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(193, 182, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 182, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.5549, 0.3149, 0.3178 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(193, 182, 191) }
```

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

```
.border{ border-color:rgb(193, 182, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 182, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 182, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 182, 191);  
box-shadow:4px 4px 4px 4px rgb(193, 182,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5549, 0.3149, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 182, 191) }
```

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

```
.background{ background-color: rgb(193,  
182, 191) }
```

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