

Converting Colors

$Y_{xy}(48.7030, 0.3169, 0.3155)$

Have a look what the booklet for
Yxy(48.7030, 0.3169, 0.3155)
contains.

Yxy(48.5893, 0.3168, 0.3154)	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(48.5893, 0.3168, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	C4B5C0
RGB	196, 181, 192
RGB Percent	77%, 71%, 75%
CMY	0.2313, 0.2902, 0.2471
CMYK	0.00, 0.08, 0.02, 0.23
HSL	316°, 11%, 74%
HSV	316°, 8%, 77%
XYZ	48.8050, 48.5893, 56.6618
YIQ	186.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

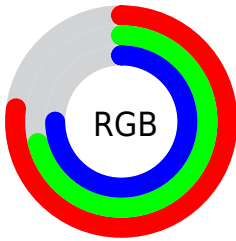
Format	Color
R_{YB}	196, 181, 192
Decimal	12891584
CIE Lab	75.20, 7.30, -3.64
CIE LCh	75, 8.159, 333.530
Yxy	48.5893, 0.3168, 0.3154
Android (android.graphics.Color)	4291081664 (0xFFC4B5C0)
YUV	186.7390, 2.5937, 8.1219
Hunter-Lab	69.7060, 2.9920, 0.5992

Details

The Yxy color **48.5893, 0.3168, 0.3154** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.8178, 0.3089, 0.3430**, and the grayscale version is **49.5240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2283, 0.3165, 0.3183**, and **23.0532, 0.3171, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **40.9429, 0.3229, 0.2970**, and if you desaturate by 10%, it is **57.3698, 0.3116, 0.3330**.

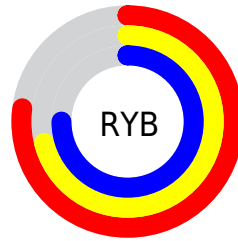
Distribution



Red (77%)

Green (71%)

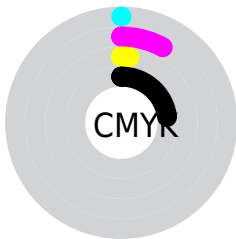
Blue (75%)



Red (77%)

Yellow (71%)

Blue (75%)

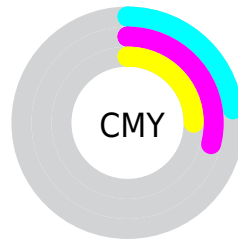


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (23%)



Cyan (23%)


Magenta (29%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5893, 0.3168, 0.3154 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 48.5893, 0.3168, 0.3154 by changing the saturation by 10% instead.


 48.5893, 0.3168,
0.3154

 48.5893, 0.3168,
0.3154


381.1232, 0.3148,
0.3221

 34.2938, 0.3173,
0.3138


 88.0812, 0.3161,
0.3178

 23.1194, 0.3179,
0.3117


114.0463, 0.3158,
0.3187

 14.6817, 0.3187,
0.3089


144.6702, 0.3156,
0.3195

 8.5963, 0.3198,
0.3052

180.3371, 0.3154,
0.3202

 4.4788, 0.3214,
0.2996

221.4314, 0.3152,
0.3207

 1.9448, 0.3239,
0.2908

268.3376, 0.3151,

 0.5751, 0.3325,

0.3212

0.2638

321.4401, 0.3149,
0.3217

0.0000, 0.0000,
0.0000

48.5893, 0.3168,
0.3154

48.5893, 0.3168,
0.3154

40.9429, 0.3229,
0.2970

57.3698, 0.3116,
0.3330

34.3777, 0.3301,
0.2781

67.3221, 0.3071,
0.3496

28.8459, 0.3382,
0.2594

78.4898, 0.3034,
0.3651

24.2935, 0.3474,
0.2417

88.0670, 0.3003,
0.3749

20.6619, 0.3574,
0.2258

88.3395, 0.2975,
0.3689

■ 17.8859, 0.3681,
0.2128

■ 88.6208, 0.2947,
0.3630

■ 15.8920, 0.3792,
0.2037

■ 88.9109, 0.2918,
0.3571

■ 14.5939, 0.3903,
0.1992

■ 89.2101, 0.2891,
0.3513

■ 13.8666, 0.4011,
0.1994

■ 89.5183, 0.2863,
0.3455

Harmonies

Analogous

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



48.5893, 0.3055, 0.3106



48.5893, 0.3168, 0.3154



48.5893, 0.3272, 0.3237

Triad

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



48.5893, 0.3168, 0.3154



48.5893, 0.3293, 0.3478



48.5893, 0.2922, 0.3239

Complementary

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



48.5893, 0.3168, 0.3154



52.8178, 0.3089, 0.3430

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.



48.5893, 0.2983, 0.3342



48.5893, 0.3168, 0.3154



48.5893, 0.3197, 0.3482

Square

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



48.5893, 0.3168, 0.3154



48.5893, 0.3345, 0.3423



48.5893, 0.3084, 0.3432



48.5893, 0.2914, 0.3153

Rectangle

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



48.5893, 0.3168, 0.3154



48.5893, 0.3321, 0.3302



48.5893, 0.3084, 0.3432



48.5893, 0.2937, 0.3273

Sweetspot

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



48.5914, 0.3168, 0.3154



96.7010, 0.3137, 0.3254



47.3496, 0.3044, 0.3099



20.7325, 0.3137, 0.3256



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.



48.5914, 0.3168, 0.3154



85.8298, 0.3176, 0.3127



48.2686, 0.3228, 0.3246



10.1997, 0.3178, 0.3123



8.8346, 0.4022, 0.1989



0.3927, 0.3802, 0.1868

Inverse Universe

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



48.5914, 0.3168, 0.3154



85.8298, 0.3176, 0.3127



53.1418, 0.3035, 0.3334



10.1997, 0.3178, 0.3123



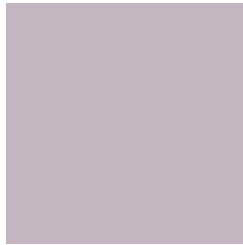
8.8346, 0.4022, 0.1989



0.3927, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 48.5893, 0.3168, 0.3154 looks on a white background.

Color Contrast Check

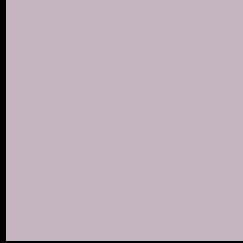
Large Text (above 18pt) WCAG AA × Fail

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 48.5893, 0.3168, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

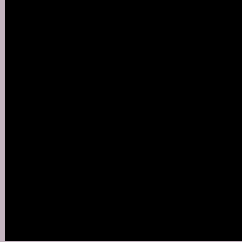
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5893, 0.3168, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 48.5893, 0.3168, 0.3154.



This preview shows how white text looks on a background with the Yxy color 48.5893, 0.3168, 0.3154.

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

48.5893, 0.3168, 0.3154

Protanopia

48.6151, 0.3067, 0.3163

Deuteranopia

48.7276, 0.3203, 0.3143



Tritanopia

48.7236, 0.3144, 0.3117

Trichromacy



Original Color

48.5893, 0.3168, 0.3154

Protanomaly

48.6644, 0.3108, 0.3164

Deuteranomaly

48.5904, 0.3194, 0.3142

Tritanomaly

48.6786, 0.3152, 0.3129

Monochromacy



Original Color

48.5893, 0.3168, 0.3154

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.3192, 0.3138, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5893, 0.3168, 0.3154 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(196, 181, 192)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 192)  
}
```

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(196, 181, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 192) }
```

Border

The CSS property to change the border of an element to Yxy 48.5893, 0.3168, 0.3154 is called "border". The border property can be set on classes, ids or directly on the HTML element.

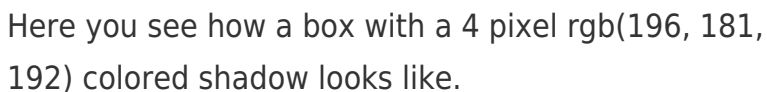
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 181, 192) }
```

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

```
.border{ border-color:rgb(196, 181, 192) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 181, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 181, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 181, 192); box-shadow:4px 4px 4px 4px rgb(196, 181, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5893, 0.3168, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 192) }
```

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

```
.background{ background-color: rgb(196,  
181, 192) }
```

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