

Converting Colors

$Yxy(48.1580, 0.3161, 0.3268)$

Have a look what the booklet for
Yxy(48.1580, 0.3161, 0.3268)
contains.

Yxy(48.1886, 0.3162, 0.3265)	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(48.1886, 0.3162, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	BDB7B9
RGB	189, 183, 185
RGB Percent	74%, 72%, 73%
CMY	0.2590, 0.2823, 0.2745
CMYK	0.00, 0.03, 0.02, 0.26
HSL	340°, 4%, 73%
HSV	340°, 3%, 74%
XYZ	46.6684, 48.1886, 52.7344
YIQ	185.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

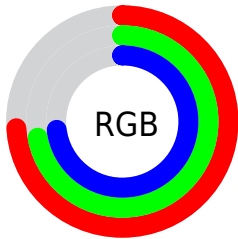
Format	Color
RYB	189, 183, 185
Decimal	12433337
CIELab	74.94, 2.46, -0.26
CIElCh	75, 2.471, 353.872
Yxy	48.1886, 0.3162, 0.3265
Android (android.graphics.Color)	4290623417 (0xFFBDB7B9)
YUV	185.0220, -0.0108, 3.4887
Hunter-Lab	69.4180, -1.4794, 3.5521

Details

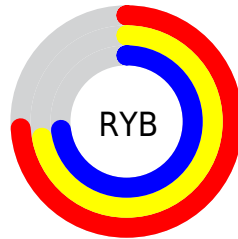
The Yxy color **48.1886, 0.3162, 0.3265** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0354, 0.3094, 0.3315**, and the grayscale version is **48.5255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4964, 0.3154, 0.3270**, and **22.8654, 0.3175, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **40.4010, 0.3289, 0.3182**, and if you desaturate by 10%, it is **57.0742, 0.3058, 0.3342**.

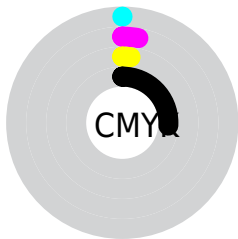
Distribution



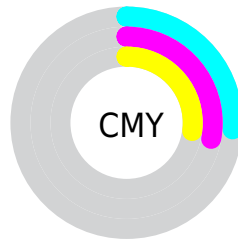
- Red (74%)
- Green (72%)
- Blue (73%)



- Red (74%)
- Yellow (72%)
- Blue (73%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (26%)





- Cyan (26%)
- Magenta (28%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1886, 0.3162, 0.3265 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 48.1886, 0.3162, 0.3265 by changing the saturation by 10% instead.

 48.1886, 0.3162,
0.3265

 48.1886, 0.3162,
0.3265


379.5392, 0.3145,
0.3278

 33.9763, 0.3166,
0.3262


 87.4851, 0.3156,
0.3270

 22.8754, 0.3172,
0.3258


113.3381, 0.3153,
0.3271

 14.5015, 0.3179,
0.3253


143.8402, 0.3151,
0.3273

 8.4703, 0.3189,
0.3245

179.3756, 0.3150,
0.3274

 4.3973, 0.3204,
0.3234

220.3288, 0.3148,
0.3275

 1.8982, 0.3229,
0.3216

267.0842, 0.3147,

 0.5473, 0.3331,

0.3276

0.3142

320.0262, 0.3146,
0.3277

0.0000, 0.0000,
0.0000

48.1886, 0.3162,
0.3265

48.1886, 0.3162,
0.3265

40.4010, 0.3289,
0.3182

57.0742, 0.3058,
0.3342

33.6627, 0.3443,
0.3094

67.0919, 0.2974,
0.3414

27.9302, 0.3632,
0.3005

78.2820, 0.2904,
0.3479

23.1547, 0.3858,
0.2918

88.3606, 0.2845,
0.3501

19.2836, 0.4125,
0.2840

89.1186, 0.2781,
0.3362

■ 16.2586, 0.4432,
0.2780

■ 89.5538, 0.2747,
0.3289

■ 14.0151, 0.4768,
0.2751

■ 12.4786, 0.5115,
0.2764

■ 11.5600, 0.5444,
0.2826

Harmonies

Analogous

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



48.1886, 0.3129, 0.3242



48.1886, 0.3162, 0.3265



48.1886, 0.3186, 0.3295

Triad

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



48.1886, 0.3162, 0.3265



48.1886, 0.3159, 0.3349



48.1886, 0.3061, 0.3256

Complementary

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



48.1886, 0.3162, 0.3265



50.0354, 0.3094, 0.3315

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.



48.1886, 0.3069, 0.3285



48.1886, 0.3162, 0.3265



48.1886, 0.3126, 0.3339

Square

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



48.1886, 0.3162, 0.3265



48.1886, 0.3184, 0.3344



48.1886, 0.3092, 0.3316



48.1886, 0.3070, 0.3237

Rectangle

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



48.1886, 0.3162, 0.3265



48.1886, 0.3193, 0.3315



48.1886, 0.3092, 0.3316



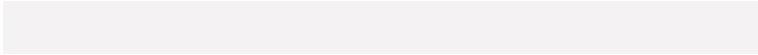
48.1886, 0.3061, 0.3265

Sweetspot

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



48.1907, 0.3162, 0.3265



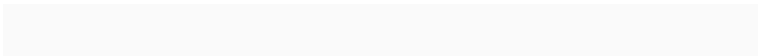
89.5715, 0.3138, 0.3282



48.1092, 0.3114, 0.3214



19.2792, 0.3138, 0.3282



95.5105, 0.3127, 0.3290



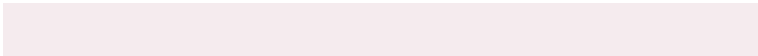
19.5994, 0.3127, 0.3290

Same Dimension

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



48.1907, 0.3162, 0.3265



84.9859, 0.3173, 0.3258



48.5181, 0.3177, 0.3303



10.4075, 0.3180, 0.3253



7.5313, 0.5617, 0.2868



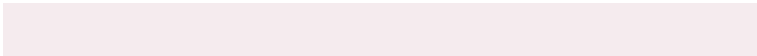
0.3074, 0.4929, 0.2489

Inverse Universe

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



48.1907, 0.3162, 0.3265



84.9859, 0.3173, 0.3258



49.6958, 0.3079, 0.3277



10.4075, 0.3180, 0.3253



7.5313, 0.5617, 0.2868



0.3074, 0.4929, 0.2489

Previews

White Background



This preview shows how the Yxy color 48.1886, 0.3162, 0.3265 looks on a white background.

Color Contrast Check

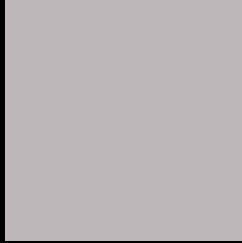
Large Text (above 18pt) WCAG AA × Fail

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 48.1886, 0.3162, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

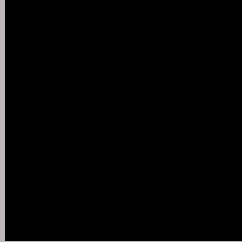
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

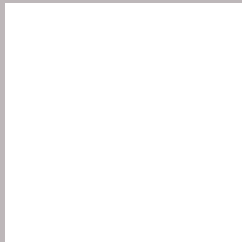
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1886, 0.3162, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 48.1886, 0.3162, 0.3265.

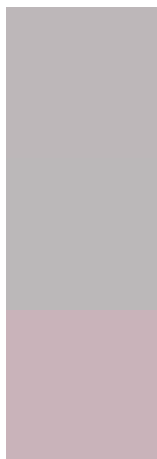


This preview shows how white text looks on a background with the Yxy color 48.1886, 0.3162, 0.3265.

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

48.1886, 0.3162, 0.3265

Protanopia

48.3486, 0.3145, 0.3277

Deuteranopia

48.2029, 0.3262, 0.3204



Tritanopia

48.1096, 0.3094, 0.3103

Trichromacy



Original Color

48.1886, 0.3162, 0.3265

Protanomaly

48.4751, 0.3153, 0.3277

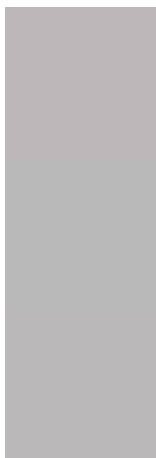
Deuteranomaly

48.0580, 0.3226, 0.3215

Tritanomaly

48.2088, 0.3116, 0.3164

Monochromacy



Original Color

48.1886, 0.3162, 0.3265

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.2229, 0.3136, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1886, 0.3162, 0.3265 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(189, 183, 185)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 185)  
}
```

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(189, 183, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 185) }
```

Border

The CSS property to change the border of an element to Yxy 48.1886, 0.3162, 0.3265 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(189, 183, 185) }
```

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

```
.border{ border-color:rgb(189, 183, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 185);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1886, 0.3162, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 185) }
```

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

```
.background{ background-color: rgb(189,  
183, 185) }
```

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