

# Converting Colors

$Yxy(46.4190, 0.3167, 0.3322)$

Have a look what the booklet for  
Yxy(46.4190, 0.3167, 0.3322)  
contains.

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# Color

**Yxy(46.3697, 0.3160, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B5B3
RGB	183, 181, 179
RGB Percent	72%, 71%, 70%
CMY	0.2824, 0.2902, 0.2980
CMYK	0.00, 0.01, 0.02, 0.28
HSL	30°, 3%, 71%
HSV	30°, 2%, 72%
XYZ	44.1883, 46.3697, 49.2783
YIQ	181.3700, 1.8340, -0.1980

# Conversions

## Conversions Part 2

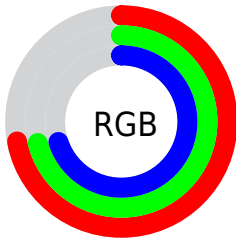
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 183, 179
Decimal	12039603
CIELab	73.78, 0.34, 1.25
CIELCh	74, 1.292, 74.877
Yxy	46.3697, 0.3160, 0.3316
Android (android.graphics.Color)	4290229683 (0xFFB7B5B3)
YUV	181.3700, -1.1684, 1.4295
Hunter-Lab	68.0953, -3.3349, 4.7605

# Details

The Yxy color **46.3697, 0.3160, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0526, 0.3095, 0.3264**, and the grayscale version is **46.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9173, 0.3153, 0.3310**, and **21.6905, 0.3173, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **42.0844, 0.3324, 0.3441**, and if you desaturate by 10%, it is **51.0010, 0.3016, 0.3199**.

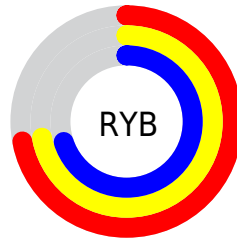
# Distribution



Red (72%)

Green (71%)

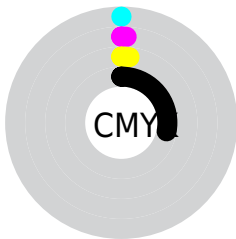
Blue (70%)



Red (72%)

Yellow (72%)

Blue (70%)

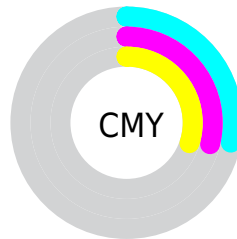


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (28%)



Cyan (28%)

Magenta (29%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3697, 0.3160, 0.3316 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 46.3697, 0.3160, 0.3316 by changing the saturation by 10% instead.



■ 46.3697, 0.3160,  
0.3316

■ 46.3697, 0.3160,  
0.3316

372.2930, 0.3144,  
0.3303

■ 32.5377, 0.3164,  
0.3319

■ 84.7720, 0.3154,  
0.3311

■ 21.7725, 0.3169,  
0.3323

110.1111, 0.3152,  
0.3310

■ 13.6898, 0.3176,  
0.3329

140.0546, 0.3150,  
0.3308

■ 7.9053, 0.3186,  
0.3337

174.9870, 0.3148,  
0.3307

■ 4.0344, 0.3201,  
0.3348

215.2926, 0.3147,  
0.3306

■ 1.6928, 0.3226,  
0.3368

261.3559, 0.3146,

■ 0.4190, 0.3403,

0.3305

0.3508

313.5612, 0.3145,  
0.3304

0.0000, 0.0000,  
0.0000

46.3697, 0.3160,  
0.3316

46.3697, 0.3160,  
0.3316

42.0844, 0.3324,  
0.3441

51.0010, 0.3016,  
0.3199

38.1306, 0.3512,  
0.3572

55.9805, 0.2891,  
0.3091

34.5015, 0.3723,  
0.3706

61.3180, 0.2782,  
0.2992

31.1878, 0.3958,  
0.3838

67.0210, 0.2687,  
0.2901

28.1796, 0.4213,  
0.3961

72.0570, 0.2683,  
0.2976

■ 25.4664, 0.4483,  
0.4064

■ 77.1800, 0.2694,  
0.3079

■ 23.0370, 0.4756,  
0.4136

■ 82.5722, 0.2705,  
0.3180

■ 20.8789, 0.5015,  
0.4164

■ 88.2375, 0.2715,  
0.3279

■ 18.9784, 0.5245,  
0.4139

■ 88.8059, 0.2716,  
0.3289

# Harmonies

## Analogous

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



46.3697, 0.3162, 0.3304



46.3697, 0.3160, 0.3316



46.3697, 0.3149, 0.3321

# Triad

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



46.3697, 0.3160, 0.3316



46.3697, 0.3099, 0.3293



46.3697, 0.3123, 0.3262

# Complementary

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



46.3697, 0.3160, 0.3316



46.0526, 0.3095, 0.3264

# 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.



46.3697, 0.3106, 0.3259



46.3697, 0.3160, 0.3316



46.3697, 0.3092, 0.3277

# Square

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



46.3697, 0.3160, 0.3316



46.3697, 0.3114, 0.3308



46.3697, 0.3095, 0.3264



46.3697, 0.3141, 0.3273



# Rectangle

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



46.3697, 0.3160, 0.3316



46.3697, 0.3138, 0.3320



46.3697, 0.3095, 0.3264



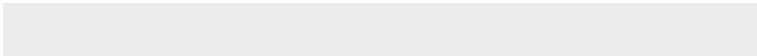
46.3697, 0.3117, 0.3260

# Sweetspot

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



46.3717, 0.3160, 0.3316



83.9869, 0.3142, 0.3302



45.6500, 0.3146, 0.3264



18.5595, 0.3142, 0.3302



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

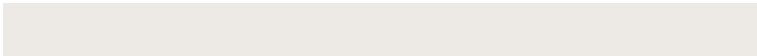


# Same Dimension

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



46.3717, 0.3160, 0.3316



82.3622, 0.3174, 0.3327



47.1838, 0.3158, 0.3342



10.2784, 0.3184, 0.3335



12.4543, 0.5386, 0.4105



0.5628, 0.5000, 0.4412

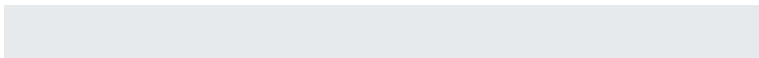


# Inverse Universe

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



46.0526, 0.3095, 0.3264



81.5635, 0.3081, 0.3253



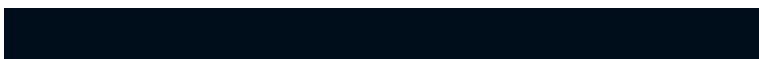
45.2520, 0.3096, 0.3238



10.1560, 0.3071, 0.3245



7.7877, 0.1777, 0.1597



0.3983, 0.1908, 0.2069



# Previews

## White Background



This preview shows how the Yxy color 46.3697, 0.3160, 0.3316 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 46.3697, 0.3160, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

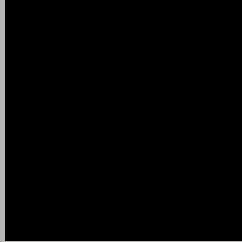
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

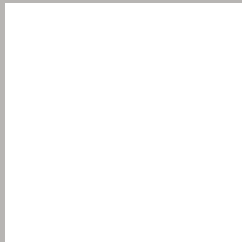
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.3697, 0.3160, 0.3316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.3697, 0.3160, 0.3316.



This preview shows how white text looks on a background with the Yxy color 46.3697, 0.3160, 0.3316.

# 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

46.3697, 0.3160, 0.3316

### Protanopia

46.2115, 0.3178, 0.3303

### Deuteranopia

46.0973, 0.3300, 0.3228



## Tritanopia

46.4047, 0.3067, 0.3111

# Trichromacy



## Original Color

46.3697, 0.3160, 0.3316

## Protanomaly

46.0875, 0.3170, 0.3303

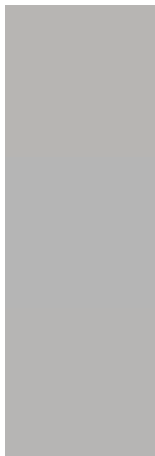
## Deuteranomaly

46.0770, 0.3243, 0.3252

## Tritanomaly

46.4637, 0.3098, 0.3187

# Monochromacy



## Original Color

46.3697, 0.3160, 0.3316

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.2881, 0.3144, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3697, 0.3160, 0.3316 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, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 181, 179)  
}
```

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, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 181, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3697, 0.3160, 0.3316 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, 181, 179) }
```

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

```
.border{ border-color:rgb(183, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(183, 181,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3697, 0.3160, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 181, 179) }
```

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

```
.background{ background-color: rgb(183,  
181, 179) }
```

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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