

# Converting Colors

$Yxy(46.0821, 0.3157, 0.3344)$

Have a look what the booklet for  
Yxy(46.0821, 0.3157, 0.3344)  
contains.

<b>Yxy(46.0458, 0.3159, 0.3343)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.0458, 0.3159, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B5B1
RGB	181, 181, 177
RGB Percent	71%, 71%, 69%
CMY	0.2903, 0.2902, 0.3059
CMYK	0.00, 0.00, 0.02, 0.29
HSL	60°, 3%, 70%
HSV	60°, 2%, 71%
XYZ	43.5114, 46.0458, 48.1807
YIQ	180.5440, 1.2840, -1.2440

# Conversions

## Conversions Part 2

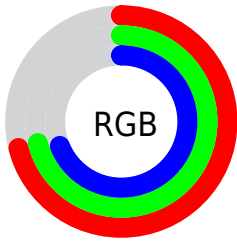
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 181, 177
Decimal	11908529
CIELab	73.58, -0.75, 2.03
CIELCh	74, 2.167, 110.177
Yxy	46.0458, 0.3159, 0.3343
Android (android.graphics.Color)	4290098609 (0xFFB5B5B1)
YUV	180.5440, -1.7472, 0.3999
Hunter-Lab	67.8571, -4.2918, 5.4021

# Details

The Yxy color **46.0458, 0.3159, 0.3343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.1234, 0.3095, 0.3236**, and the grayscale version is **45.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4561, 0.3152, 0.3331**, and **21.4828, 0.3171, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **45.3585, 0.3305, 0.3587**, and if you desaturate by 10%, it is **46.8328, 0.3019, 0.3109**.

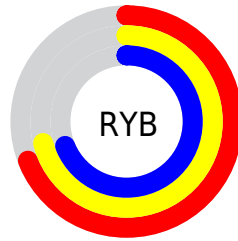
# Distribution



Red (71%)

Green (71%)

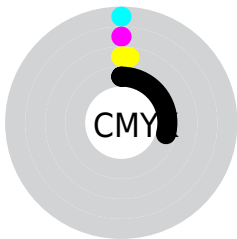
Blue (69%)



Red (69%)

Yellow (71%)

Blue (69%)

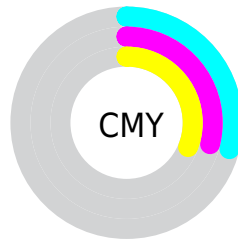


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0458, 0.3159, 0.3343 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 46.0458, 0.3159, 0.3343 by changing the saturation by 10% instead.



■ 46.0458, 0.3159,  
0.3343

■ 46.0458, 0.3159,  
0.3343

370.9928, 0.3143,  
0.3317

■ 32.2820, 0.3163,  
0.3350

■ 84.2875, 0.3153,  
0.3333

■ 21.5770, 0.3168,  
0.3358

109.5342, 0.3151,  
0.3330

■ 13.5464, 0.3175,  
0.3370

139.3773, 0.3149,  
0.3327

■ 7.8059, 0.3185,  
0.3386

174.2012, 0.3148,  
0.3324

■ 3.9710, 0.3199,  
0.3410

214.3903, 0.3146,  
0.3322

■ 1.6573, 0.3223,  
0.3451

260.3290, 0.3145,

■ 0.3958, 0.3434,

0.3320

0.3797

312.4017, 0.3144,  
0.3318

0.0000, 0.0000,  
0.0000

46.0458, 0.3159,  
0.3343

46.0458, 0.3159,  
0.3343

45.3585, 0.3305,  
0.3587

46.8328, 0.3019,  
0.3109

44.7613, 0.3454,  
0.3835

47.7171, 0.2886,  
0.2889

44.2521, 0.3602,  
0.4082

48.7041, 0.2763,  
0.2685

43.8266, 0.3742,  
0.4317

49.7969, 0.2650,  
0.2497

43.4803, 0.3870,  
0.4531

50.1678, 0.2618,  
0.2442

■ 43.2080, 0.3980,  
0.4716

■ 50.1826, 0.2619,  
0.2443

■ 43.0040, 0.4067,  
0.4864

■ 50.1974, 0.2620,  
0.2443

■ 42.8620, 0.4129,  
0.4969

■ 50.2122, 0.2620,  
0.2443

■ 42.7740, 0.4166,  
0.5033

■ 50.2271, 0.2621,  
0.2443

# Harmonies

## Analogous

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



46.0458, 0.3180, 0.3336



46.0458, 0.3159, 0.3343



46.0458, 0.3130, 0.3336

# Triad

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



46.0458, 0.3159, 0.3343



46.0458, 0.3068, 0.3263



46.0458, 0.3155, 0.3265

# Complementary

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



46.0458, 0.3159, 0.3343



44.1234, 0.3095, 0.3236

# 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.



46.0458, 0.3125, 0.3245



46.0458, 0.3159, 0.3343



46.0458, 0.3075, 0.3244

# Square

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



46.0458, 0.3159, 0.3343



46.0458, 0.3077, 0.3289



46.0458, 0.3095, 0.3238



46.0458, 0.3178, 0.3291



# Rectangle

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



46.0458, 0.3159, 0.3343



46.0458, 0.3109, 0.3324



46.0458, 0.3095, 0.3238



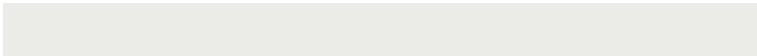
46.0458, 0.3145, 0.3257

# Sweetspot

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



46.0478, 0.3159, 0.3343



82.6200, 0.3142, 0.3314



44.4371, 0.3162, 0.3290



17.8587, 0.3141, 0.3313



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



46.0478, 0.3159, 0.3343



82.3511, 0.3171, 0.3363



45.8094, 0.3142, 0.3343



9.9882, 0.3181, 0.3379



29.4550, 0.4182, 0.5062



0.9277, 0.4185, 0.5059

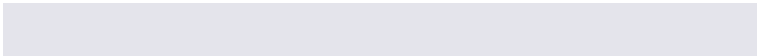


# Inverse Universe

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



44.1234, 0.3095, 0.3236



77.6513, 0.3083, 0.3216



44.3584, 0.3112, 0.3237



9.2945, 0.3073, 0.3199



2.3066, 0.1503, 0.0601



0.0735, 0.1514, 0.0608



# Previews

## White Background



This preview shows how the Yxy color 46.0458, 0.3159, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

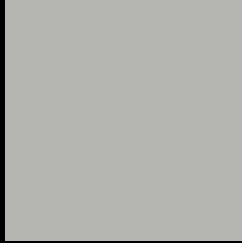
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0458, 0.3159, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

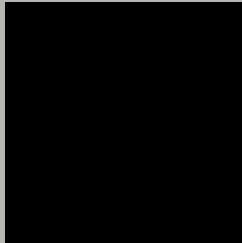
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

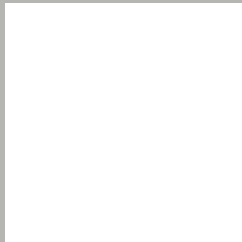
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0458, 0.3159, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0458, 0.3159, 0.3343.



This preview shows how white text looks on a background with the Yxy color 46.0458, 0.3159, 0.3343.

# 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

46.0458, 0.3159, 0.3343

### Protanopia

46.0914, 0.3203, 0.3342

### Deuteranopia

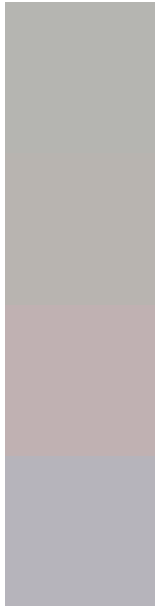
46.0164, 0.3317, 0.3253



## Tritanopia

46.1577, 0.3051, 0.3110

# Trichromacy



## Original Color

46.0458, 0.3159, 0.3343

## Protanomaly

45.9675, 0.3194, 0.3343

## Deuteranomaly

45.8651, 0.3251, 0.3278

## Tritanomaly

46.1755, 0.3089, 0.3199

# Monochromacy



## Original Color

46.0458, 0.3159, 0.3343

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.1668, 0.3135, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0458, 0.3159, 0.3343 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(181, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 177)  
}
```

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(181, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0458, 0.3159, 0.3343 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(181, 181, 177) }
```

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

```
.border{ border-color:rgb(181, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0458, 0.3159, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 177) }
```

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

```
.background{ background-color: rgb(181,  
181, 177) }
```

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