

# Converting Colors

$Y_{xy}(44.6556, 0.3209, 0.3357)$

Have a look what the booklet for  
Yxy(44.6556, 0.3209, 0.3357)  
contains.

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# Color

**Yxy(44.8030, 0.3203, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B2AD
RGB	182, 178, 173
RGB Percent	71%, 70%, 68%
CMY	0.2862, 0.3020, 0.3215
CMYK	0.00, 0.02, 0.05, 0.29
HSL	33°, 6%, 70%
HSV	33°, 5%, 71%
XYZ	42.7604, 44.8030, 45.9378
YIQ	178.6260, 3.9890, -0.7070

# Conversions

## Conversions Part 2

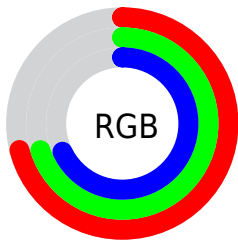
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 182, 173
Decimal	11973293
CIELab	72.76, 0.53, 3.03
CIELCh	73, 3.080, 80.132
Yxy	44.8030, 0.3203, 0.3356
Android (android.graphics.Color)	4290163373 (0xFFB6B2AD)
YUV	178.6260, -2.7736, 2.9590
Hunter-Lab	66.9350, -3.1043, 6.1636

# Details

The Yxy color **44.8030, 0.3203, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7288, 0.3053, 0.3223**, and the grayscale version is **44.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6242, 0.3192, 0.3352**, and **20.7148, 0.3221, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **41.0013, 0.3371, 0.3495**, and if you desaturate by 10%, it is **48.8971, 0.3055, 0.3225**.

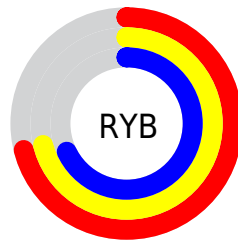
# Distribution



Red (71%)

Green (70%)

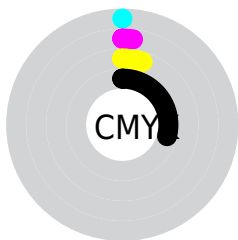
Blue (68%)



Red (71%)

Yellow (71%)

Blue (68%)

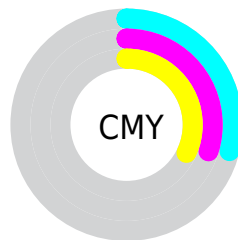


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (29%)



Cyan (29%)

Magenta (30%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8030, 0.3203, 0.3356 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 44.8030, 0.3203, 0.3356 by changing the saturation by 10% instead.



■ 44.8030, 0.3203,  
0.3356

■ 44.8030, 0.3203,  
0.3356

365.9751, 0.3165,  
0.3323

■ 31.3023, 0.3213,  
0.3364

■ 82.4247, 0.3189,  
0.3344

■ 20.8291, 0.3225,  
0.3375

107.3145, 0.3184,  
0.3339

■ 12.9992, 0.3242,  
0.3389

136.7694, 0.3179,  
0.3336

■ 7.4280, 0.3265,  
0.3410

171.1739, 0.3176,  
0.3332

■ 3.7312, 0.3301,  
0.3440

210.9123, 0.3172,  
0.3330

■ 1.5243, 0.3362,  
0.3492

256.3691, 0.3170,

■ 0.3058, 0.4158,

0.3327

0.4188

307.9285, 0.3167,  
0.3325

0.0000, 0.0000,  
0.0000

44.8030, 0.3203,  
0.3356

44.8030, 0.3203,  
0.3356

41.0013, 0.3371,  
0.3495

48.8971, 0.3055,  
0.3225

37.4791, 0.3560,  
0.3640

53.2847, 0.2924,  
0.3103

34.2308, 0.3770,  
0.3787

57.9743, 0.2809,  
0.2990

31.2484, 0.3999,  
0.3930

62.9723, 0.2709,  
0.2887

28.5236, 0.4243,  
0.4061

67.6893, 0.2668,  
0.2884

■ 26.0473, 0.4493,  
0.4168

■ 72.0377, 0.2678,  
0.2978

■ 23.8097, 0.4739,  
0.4239

■ 76.5968, 0.2688,  
0.3070

■ 21.8001, 0.4966,  
0.4265

■ 81.3696, 0.2697,  
0.3160

■ 20.0058, 0.5161,  
0.4237

■ 86.3588, 0.2707,  
0.3249

# Harmonies

## Analogous

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



44.8030, 0.3213, 0.3328



44.8030, 0.3203, 0.3356



44.8030, 0.3173, 0.3366

# Triad

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



44.8030, 0.3203, 0.3356



44.8030, 0.3055, 0.3289



44.8030, 0.3124, 0.3226

# Complementary

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



44.8030, 0.3203, 0.3356



43.7288, 0.3053, 0.3223

# 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.



44.8030, 0.3082, 0.3215



44.8030, 0.3203, 0.3356



44.8030, 0.3042, 0.3251

# Square

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



44.8030, 0.3203, 0.3356



44.8030, 0.3088, 0.3327



44.8030, 0.3052, 0.3224



44.8030, 0.3167, 0.3254



# Rectangle

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



44.8030, 0.3203, 0.3356



44.8030, 0.3145, 0.3361



44.8030, 0.3052, 0.3224



44.8030, 0.3109, 0.3220

# Sweetspot

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



44.8049, 0.3203, 0.3356



84.0577, 0.3142, 0.3303



43.0196, 0.3174, 0.3237



18.5743, 0.3142, 0.3303



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.



44.8049, 0.3203, 0.3356



80.3836, 0.3221, 0.3372



46.3783, 0.3195, 0.3409



10.0590, 0.3228, 0.3378



13.6682, 0.5237, 0.4224



0.6034, 0.4899, 0.4492

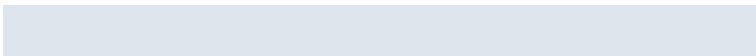


# Inverse Universe

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



43.7288, 0.3053, 0.3223



77.9974, 0.3035, 0.3207



42.2103, 0.3058, 0.3169



9.7386, 0.3028, 0.3201



6.7175, 0.1731, 0.1430



0.3606, 0.1871, 0.1937



# Previews

## White Background



This preview shows how the Yxy color 44.8030, 0.3203, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

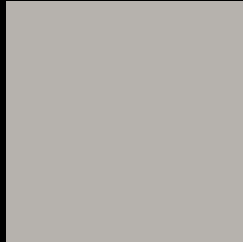
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8030, 0.3203, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

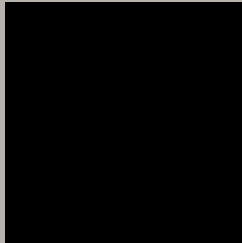
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

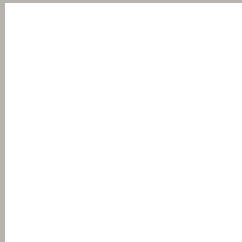
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.8030, 0.3203, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8030, 0.3203, 0.3356.



This preview shows how white text looks on a background with the Yxy color 44.8030, 0.3203, 0.3356.

# 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

44.8030, 0.3203, 0.3356

### Protanopia

44.9252, 0.3212, 0.3356

### Deuteranopia

44.8134, 0.3336, 0.3278



## Tritanopia

44.9151, 0.3092, 0.3122

# Trichromacy



## Original Color

44.8030, 0.3203, 0.3356

## Protanomaly

44.9252, 0.3212, 0.3356

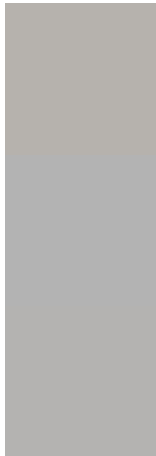
## Deuteranomaly

44.9224, 0.3288, 0.3303

## Tritanomaly

44.9305, 0.3131, 0.3212

# Monochromacy



## Original Color

44.8030, 0.3203, 0.3356

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.1178, 0.3152, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8030, 0.3203, 0.3356 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(182, 178, 173)` looks like.

```
.text, #text, p{  
    color:rgb(182, 178, 173)  
}
```

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(182, 178, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 178, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8030, 0.3203, 0.3356 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(182, 178, 173) }
```

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

```
.border{ border-color:rgb(182, 178, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 178, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 178, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 178, 173);  
box-shadow:4px 4px 4px 4px rgb(182, 178,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8030, 0.3203, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 178, 173) }
```

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

```
.background{ background-color: rgb(182,  
178, 173) }
```

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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