

# Converting Colors

$Yxy(48.0922, 0.3260, 0.3385)$

Have a look what the booklet for  
Yxy(48.0922, 0.3260, 0.3385)  
contains.

<b>Yxy(48.0779, 0.3252, 0.3380)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.0779, 0.3252, 0.3380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFB7B0
RGB	191, 183, 176
RGB Percent	75%, 72%, 69%
CMY	0.2509, 0.2823, 0.3099
CMYK	0.00, 0.04, 0.08, 0.25
HSL	28°, 11%, 72%
HSV	28°, 8%, 75%
XYZ	46.2572, 48.0779, 47.9072
YIQ	184.5940, 7.0150, -0.4810

# Conversions

## Conversions Part 2

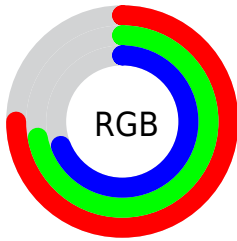
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 189, 176
Decimal	12564400
CIELab	74.87, 1.60, 4.56
CIELCh	75, 4.833, 70.729
Yxy	48.0779, 0.3252, 0.3380
Android (android.graphics.Color)	4290754480 (0xFFBFB7B0)
YUV	184.5940, -4.2368, 5.6181
Hunter-Lab	69.3382, -2.2603, 7.5721

# Details

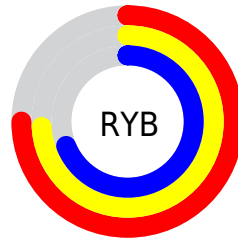
The Yxy color **48.0779, 0.3252, 0.3380** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2707, 0.3007, 0.3198**, and the grayscale version is **48.3011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3334, 0.3224, 0.3360**, and **22.8238, 0.3287, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **43.3260, 0.3432, 0.3501**, and if you desaturate by 10%, it is **53.2444, 0.3096, 0.3266**.

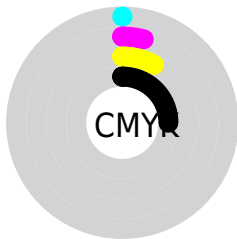
# Distribution



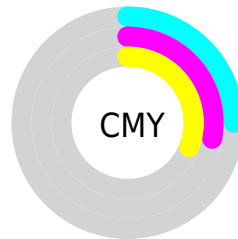
- Red (75%)
- Green (72%)
- Blue (69%)



- Red (75%)
- Yellow (74%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (25%)




- Cyan (25%)
- Magenta (28%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0779, 0.3252, 0.3380 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 48.0779, 0.3252, 0.3380 by changing the saturation by 10% instead.




 48.0779, 0.3252,  
0.3380

 48.0779, 0.3252,  
0.3380


379.1008, 0.3190,  
0.3336

 33.8886, 0.3267,  
0.3391


 87.3204, 0.3229,  
0.3364

 22.8080, 0.3287,  
0.3405


113.1423, 0.3221,  
0.3358

 14.4518, 0.3314,  
0.3424


143.6106, 0.3214,  
0.3353

 8.4356, 0.3351,  
0.3450

179.1096, 0.3208,  
0.3348

 4.3749, 0.3406,  
0.3488

220.0237, 0.3202,  
0.3344

 1.8854, 0.3497,  
0.3550

266.7374, 0.3198,

 0.5396, 0.4058,

0.3341

0.3968

319.6350, 0.3193,  
0.3338

0.0000, 0.0000,  
0.0000

48.0779, 0.3252,  
0.3380

48.0779, 0.3252,  
0.3380

43.3260, 0.3432,  
0.3501

53.2444, 0.3096,  
0.3266

38.9715, 0.3637,  
0.3626

58.8296, 0.2960,  
0.3161

35.0054, 0.3869,  
0.3751

64.8455, 0.2843,  
0.3064

31.4155, 0.4126,  
0.3871

71.3017, 0.2741,  
0.2974

28.1894, 0.4404,  
0.3977

77.0993, 0.2737,  
0.3061

■ 25.3134, 0.4693,  
0.4056

■ 83.0632, 0.2747,  
0.3172

■ 22.7729, 0.4977,  
0.4096

■ 89.3658, 0.2757,  
0.3281

■ 20.5516, 0.5239,  
0.4086

■ 89.8184, 0.2757,  
0.3289

■ 18.6288, 0.5462,  
0.4024

# Harmonies

## Analogous

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



48.0779, 0.3256, 0.3331



48.0779, 0.3252, 0.3380



48.0779, 0.3214, 0.3405

# Triad

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



48.0779, 0.3252, 0.3380



48.0779, 0.3030, 0.3307



48.0779, 0.3100, 0.3184

# Complementary

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



48.0779, 0.3252, 0.3380



47.2707, 0.3007, 0.3198

# 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.



48.0779, 0.3040, 0.3177



48.0779, 0.3252, 0.3380



48.0779, 0.3000, 0.3247

# Square

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



48.0779, 0.3252, 0.3380



48.0779, 0.3086, 0.3363



48.0779, 0.3004, 0.3199



48.0779, 0.3168, 0.3219



# Rectangle

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



48.0779, 0.3252, 0.3380



48.0779, 0.3175, 0.3405



48.0779, 0.3004, 0.3199



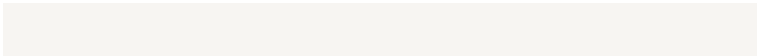
48.0779, 0.3078, 0.3178

# Sweetspot

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



48.0800, 0.3252, 0.3380



91.4039, 0.3158, 0.3313



45.5835, 0.3194, 0.3188



20.0922, 0.3157, 0.3312



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

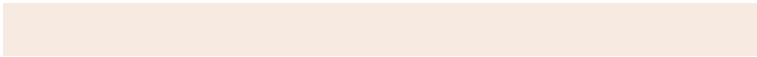


# Same Dimension

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



48.0800, 0.3252, 0.3380



84.9716, 0.3274, 0.3395



51.2627, 0.3243, 0.3474



10.2508, 0.3277, 0.3397



12.1514, 0.5486, 0.4026



0.6069, 0.5098, 0.4334

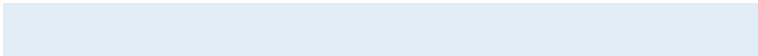


# Inverse Universe

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



47.2707, 0.3007, 0.3198



83.3024, 0.2988, 0.3183



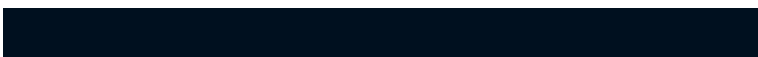
44.2317, 0.3008, 0.3099



10.0449, 0.2984, 0.3180



8.8579, 0.1808, 0.1709



0.4768, 0.1923, 0.2122



# Previews

## White Background



This preview shows how the Yxy color 48.0779, 0.3252, 0.3380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

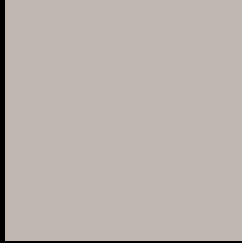
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0779, 0.3252, 0.3380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

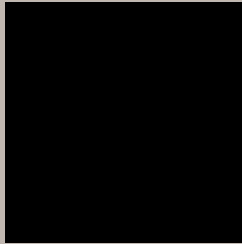
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

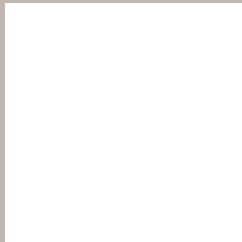
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0779, 0.3252, 0.3380**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0779, 0.3252, 0.3380.



This preview shows how white text looks on a background with the Yxy color 48.0779, 0.3252, 0.3380.

# 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

48.0779, 0.3252, 0.3380

### Protanopia

48.2344, 0.3233, 0.3393

### Deuteranopia

47.9943, 0.3375, 0.3303



## Tritanopia

48.0069, 0.3135, 0.3116

# Trichromacy



## Original Color

48.0779, 0.3252, 0.3380

## Protanomaly

48.3627, 0.3242, 0.3393

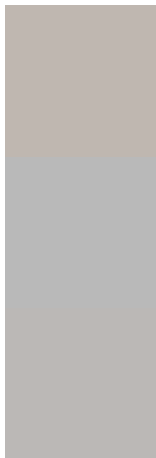
## Deuteranomaly

48.0962, 0.3327, 0.3328

## Tritanomaly

47.9731, 0.3182, 0.3215

# Monochromacy



## Original Color

48.0779, 0.3252, 0.3380

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.2232, 0.3168, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0779, 0.3252, 0.3380 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(191, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(191, 183, 176)  
}
```

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(191, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 183, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0779, 0.3252, 0.3380 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(191, 183, 176) }
```

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

```
.border{ border-color:rgb(191, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 183, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 183, 176); box-shadow:4px 4px 4px 4px rgb(191, 183, 176) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0779, 0.3252, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 183, 176) }
```

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

```
.background{ background-color: rgb(191,  
183, 176) }
```

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