

# Converting Colors

$Yxy(50.1872, 0.3361, 0.3325)$

Have a look what the booklet for  
Yxy(50.1872, 0.3361, 0.3325)  
contains.

<b>Yxy(50.0166, 0.3360, 0.3315)</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(50.0166, 0.3360, 0.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB6B4
RGB	207, 182, 180
RGB Percent	81%, 71%, 71%
CMY	0.1883, 0.2862, 0.2941
CMYK	0.00, 0.12, 0.13, 0.19
HSL	4°, 22%, 76%
HSV	4°, 13%, 81%
XYZ	50.6956, 50.0166, 50.1675
YIQ	189.2470, 15.5420, 4.6780

# Conversions

## Conversions Part 2

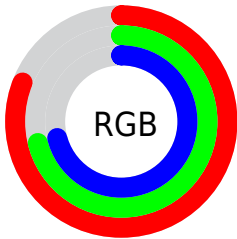
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 182, 180
Decimal	13612724
CIE Lab	76.08, 8.60, 4.29
CIE LCh	76, 9.605, 26.497
Yxy	50.0166, 0.3360, 0.3315
Android (android.graphics.Color)	4291802804 (0xFFCFB6B4)
YUV	189.2470, -4.5588, 15.5694
Hunter-Lab	70.7224, 4.1889, 7.4479

# Details

The Yxy color **50.0166, 0.3360, 0.3315** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.8642, 0.2929, 0.3265**, and the grayscale version is **51.0581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4652, 0.3253, 0.3310**, and **23.9082, 0.3424, 0.3324** is the 20% darker color. If you saturate the color by 10%, you get **41.9168, 0.3588, 0.3336**, and if you desaturate by 10%, it is **59.3211, 0.3176, 0.3296**.

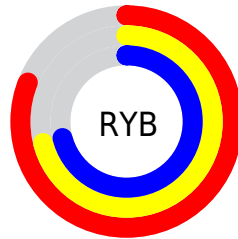
# Distribution



Red (81%)

Green (71%)

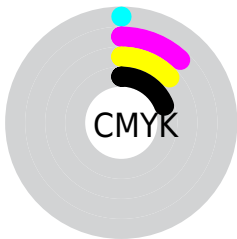
Blue (71%)



Red (81%)

Yellow (71%)

Blue (71%)

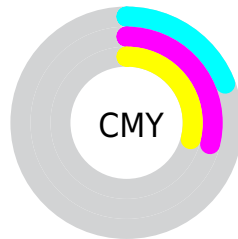


Cyan (0%)

Magenta (12%)

Yellow (13%)

Black (19%)



Cyan (19%)

Magenta (29%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0166, 0.3360, 0.3315 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 50.0166, 0.3360, 0.3315 by changing the saturation by 10% instead.




 50.0166, 0.3360,  
0.3315

 50.0166, 0.3360,  
0.3315

386.7309, 0.3244,  
0.3304

 35.4266, 0.3389,  
0.3317


 90.1995, 0.3318,  
0.3311

 23.9917, 0.3425,  
0.3320


116.5611, 0.3302,  
0.3310

 15.3274, 0.3474,  
0.3324


147.6154, 0.3289,  
0.3308

 9.0495, 0.3541,  
0.3329

183.7468, 0.3278,  
0.3307

 4.7735, 0.3641,  
0.3334

225.3397, 0.3268,  
0.3306

 2.1150, 0.3804,  
0.3340

272.7783, 0.3259,

 0.6730, 0.4344,

0.3305

0.3441

326.4473, 0.3251,  
0.3304

0.0000, 0.0000,  
0.0000

50.0166, 0.3360,  
0.3315

50.0166, 0.3360,  
0.3315

41.9168, 0.3588,  
0.3336

59.3211, 0.3176,  
0.3296

34.9660, 0.3868,  
0.3357

69.8697, 0.3027,  
0.3278

29.1143, 0.4207,  
0.3377

81.7083, 0.2905,  
0.3262

24.3053, 0.4606,  
0.3394

92.0031, 0.2844,  
0.3289

20.4778, 0.5053,  
0.3404

■ 17.5640, 0.5511,  
0.3403

■ 15.4876, 0.5922,  
0.3387

■ 14.1598, 0.6221,  
0.3357

■ 13.6144, 0.6352,  
0.3338

# Harmonies

## Analogous

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



50.0166, 0.3270, 0.3203



50.0166, 0.3360, 0.3315



50.0166, 0.3386, 0.3423

# Triad

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



50.0166, 0.3360, 0.3315



50.0166, 0.3107, 0.3475



50.0166, 0.2917, 0.3082

# Complementary

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



50.0166, 0.3360, 0.3315



57.8642, 0.2929, 0.3265

# 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.



50.0166, 0.2875, 0.3150



50.0166, 0.3360, 0.3315



50.0166, 0.2984, 0.3378

# Square

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



50.0166, 0.3360, 0.3315



50.0166, 0.3238, 0.3519



50.0166, 0.2900, 0.3258



50.0166, 0.3014, 0.3070



# Rectangle

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



50.0166, 0.3360, 0.3315



50.0166, 0.3363, 0.3479



50.0166, 0.2900, 0.3258



50.0166, 0.2896, 0.3099

# Sweetspot

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



50.0188, 0.3360, 0.3315



93.4821, 0.3193, 0.3298



50.3268, 0.3156, 0.2992



19.7545, 0.3206, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

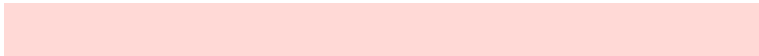


# Same Dimension

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



50.0188, 0.3360, 0.3315



75.8664, 0.3427, 0.3321



55.7216, 0.3339, 0.3474



11.9469, 0.3289, 0.3308



8.6324, 0.6340, 0.3348



0.5330, 0.6157, 0.3493



# Inverse Universe

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



57.8642, 0.2929, 0.3265



91.1522, 0.2883, 0.3258



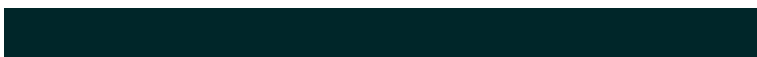
51.7762, 0.2925, 0.3099



13.2508, 0.2983, 0.3272



26.5573, 0.2183, 0.3058



1.5307, 0.2196, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 50.0166, 0.3360, 0.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

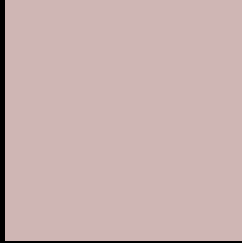
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0166, 0.3360, 0.3315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

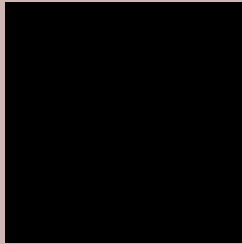
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0166, 0.3360, 0.3315**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0166, 0.3360, 0.3315.



This preview shows how white text looks on a background with the Yxy color 50.0166, 0.3360, 0.3315.

# 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

50.0166, 0.3360, 0.3315

### Protanopia

50.1660, 0.3200, 0.3341

### Deuteranopia

49.8983, 0.3380, 0.3303



## Tritanopia

50.0929, 0.3264, 0.3123

# Trichromacy



## Original Color

50.0166, 0.3360, 0.3315

## Protanomaly

49.9456, 0.3253, 0.3328

## Deuteranomaly

49.7529, 0.3371, 0.3303

## Tritanomaly

50.1318, 0.3295, 0.3194

# Monochromacy



## Original Color

50.0166, 0.3360, 0.3315

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.3987, 0.3211, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0166, 0.3360, 0.3315 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(207, 182, 180)` looks like.

```
.text, #text, p{  
    color:rgb(207, 182, 180)  
}
```

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(207, 182, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 182, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0166, 0.3360, 0.3315 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(207, 182, 180) }
```

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

```
.border{ border-color:rgb(207, 182, 180) }
```

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

Here you see how a box with a 4 pixel rgb(207, 182, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 182, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 182, 180);  
box-shadow:4px 4px 4px 4px rgb(207, 182,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0166, 0.3360, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 182, 180) }
```

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

```
.background{ background-color: rgb(207,  
182, 180) }
```

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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