

# Converting Colors

$Yxy(45.8386, 0.3239, 0.3392)$

Have a look what the booklet for  
Yxy(45.8386, 0.3239, 0.3392)  
contains.

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# Color

**Yxy(45.9354, 0.3235, 0.3395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9B4AC
RGB	185, 180, 172
RGB Percent	73%, 71%, 67%
CMY	0.2746, 0.2941, 0.3254
CMYK	0.00, 0.03, 0.07, 0.27
HSL	37°, 8%, 70%
HSV	37°, 7%, 73%
XYZ	43.7706, 45.9354, 45.5971
YIQ	180.5830, 5.5480, -1.4280

# Conversions

## Conversions Part 2

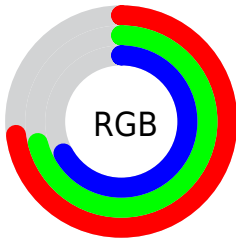
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 185, 172
Decimal	12170412
CIELab	73.50, 0.32, 4.69
CIELCh	74, 4.696, 86.036
Yxy	45.9354, 0.3235, 0.3395
Android (android.graphics.Color)	4290360492 (0xFFB9B4AC)
YUV	180.5830, -4.2314, 3.8737
Hunter-Lab	67.7757, -3.3294, 7.5547

# Details

The Yxy color **45.9354, 0.3235, 0.3395** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.7071, 0.3021, 0.3183**, and the grayscale version is **45.9920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2377, 0.3217, 0.3382**, and **21.4403, 0.3265, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **42.4904, 0.3404, 0.3552**, and if you desaturate by 10%, it is **49.6292, 0.3084, 0.3246**.

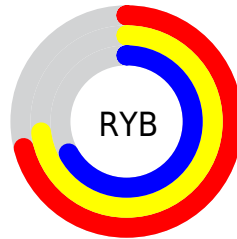
# Distribution



Red (73%)

Green (71%)

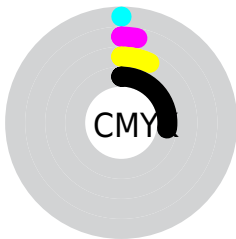
Blue (67%)



Red (71%)

Yellow (73%)

Blue (67%)

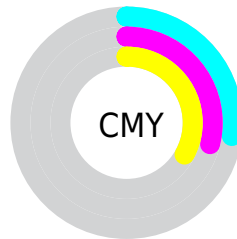


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (27%)



Cyan (27%)

Magenta (29%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9354, 0.3235, 0.3395 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 45.9354, 0.3235, 0.3395 by changing the saturation by 10% instead.



■ 45.9354, 0.3235,  
0.3395

■ 45.9354, 0.3235,  
0.3395

370.5489, 0.3181,  
0.3342

■ 32.1948, 0.3249,  
0.3408

■ 84.1223, 0.3215,  
0.3376

■ 21.5104, 0.3266,  
0.3425

109.3375, 0.3208,  
0.3369

■ 13.4976, 0.3289,  
0.3448

139.1463, 0.3202,  
0.3363

■ 7.7721, 0.3322,  
0.3479

173.9331, 0.3196,  
0.3357

■ 3.9494, 0.3372,  
0.3527

214.0824, 0.3192,  
0.3353

■ 1.6453, 0.3454,  
0.3607

259.9785, 0.3188,

■ 0.3879, 0.4383,

0.3349

0.4514

312.0059, 0.3184,  
0.3346

0.0000, 0.0000,  
0.0000

45.9354, 0.3235,  
0.3395

45.9354, 0.3235,  
0.3395

42.4904, 0.3404,  
0.3552

49.6292, 0.3084,  
0.3246

39.2820, 0.3591,  
0.3714

53.5718, 0.2949,  
0.3107

36.3057, 0.3795,  
0.3876

57.7708, 0.2830,  
0.2979

33.5545, 0.4012,  
0.4032

62.2317, 0.2724,  
0.2860

31.0210, 0.4237,  
0.4172

66.3326, 0.2681,  
0.2848

■ 28.6972, 0.4461,  
0.4286

■ 70.0236, 0.2690,  
0.2929

■ 26.5744, 0.4674,  
0.4362

■ 73.8724, 0.2698,  
0.3009

■ 24.6425, 0.4864,  
0.4391

■ 77.8811, 0.2706,  
0.3089

■ 22.8886, 0.5022,  
0.4369

■ 82.0514, 0.2714,  
0.3167

# Harmonies

## Analogous

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



45.9354, 0.3257, 0.3357



45.9354, 0.3235, 0.3395



45.9354, 0.3184, 0.3405

# Triad

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



45.9354, 0.3235, 0.3395



45.9354, 0.3013, 0.3276



45.9354, 0.3135, 0.3200

# Complementary

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



45.9354, 0.3235, 0.3395



43.7071, 0.3021, 0.3183

# 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.



45.9354, 0.3069, 0.3178



45.9354, 0.3235, 0.3395



45.9354, 0.2999, 0.3221

# Square

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



45.9354, 0.3235, 0.3395



45.9354, 0.3056, 0.3335



45.9354, 0.3020, 0.3186



45.9354, 0.3198, 0.3245



# Rectangle

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



45.9354, 0.3235, 0.3395



45.9354, 0.3141, 0.3393



45.9354, 0.3020, 0.3186



45.9354, 0.3112, 0.3190

# Sweetspot

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



45.9374, 0.3235, 0.3395



85.5366, 0.3158, 0.3320



42.9955, 0.3202, 0.3225



18.4551, 0.3156, 0.3318



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

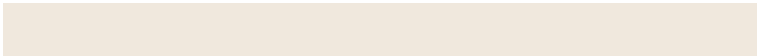


# Same Dimension

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



45.9374, 0.3235, 0.3395



81.5862, 0.3253, 0.3412



47.7871, 0.3216, 0.3459



9.9105, 0.3273, 0.3431



15.3964, 0.5054, 0.4369



0.6584, 0.4778, 0.4588

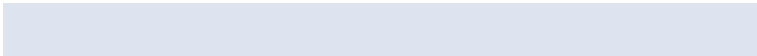


# Inverse Universe

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



43.7071, 0.3021, 0.3183



76.9809, 0.3004, 0.3165



41.9576, 0.3035, 0.3116



9.2677, 0.2985, 0.3145



5.5656, 0.1677, 0.1235



0.3173, 0.1826, 0.1773



# Previews

## White Background



This preview shows how the Yxy color 45.9354, 0.3235, 0.3395 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 45.9354, 0.3235, 0.3395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

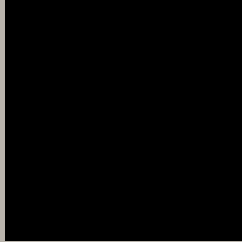
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

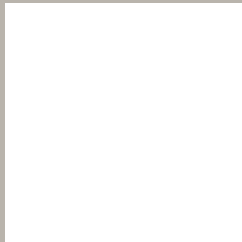
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.9354, 0.3235, 0.3395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9354, 0.3235, 0.3395.

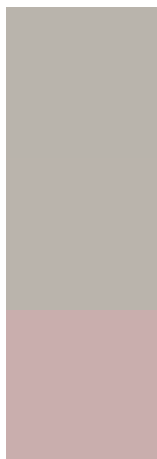


This preview shows how white text looks on a background with the Yxy color 45.9354, 0.3235, 0.3395.

# 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

45.9354, 0.3235, 0.3395

### Protanopia

46.0602, 0.3244, 0.3395

### Deuteranopia

45.7067, 0.3380, 0.3303



## Tritanopia

45.8972, 0.3110, 0.3112

# Trichromacy



## Original Color

45.9354, 0.3235, 0.3395

## Protanomaly

46.0602, 0.3244, 0.3395

## Deuteranomaly

45.6699, 0.3322, 0.3329

## Tritanomaly

45.8663, 0.3157, 0.3213

# Monochromacy



## Original Color

45.9354, 0.3235, 0.3395

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.2072, 0.3160, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9354, 0.3235, 0.3395 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(185, 180, 172)` looks like.

```
.text, #text, p{  
    color:rgb(185, 180, 172)  
}
```

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(185, 180, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 180, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9354, 0.3235, 0.3395 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(185, 180, 172) }
```

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

```
.border{ border-color:rgb(185, 180, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 180, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 180, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 180, 172);  
box-shadow:4px 4px 4px 4px rgb(185, 180,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9354, 0.3235, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 180, 172) }
```

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

```
.background{ background-color: rgb(185,  
180, 172) }
```

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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