

# Converting Colors

$Yxy(45.3383, 0.3028, 0.3358)$

Have a look what the booklet for  
Yxy(45.3383, 0.3028, 0.3358)  
contains.

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# Color

**Yxy(45.2968, 0.3032, 0.3358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7B7B2
RGB	167, 183, 178
RGB Percent	65%, 72%, 70%
CMY	0.3452, 0.2823, 0.3020
CMYK	0.09, 0.00, 0.03, 0.28
HSL	161°, 10%, 69%
HSV	161°, 9%, 72%
XYZ	40.8993, 45.2968, 48.6961
YIQ	177.6460, -7.9310, -4.9470

# Conversions

## Conversions Part 2

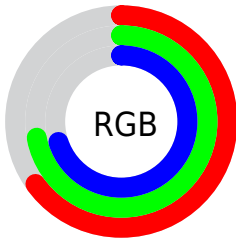
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 176, 183
Decimal	10991538
CIELab	73.09, -6.51, 0.65
CIElCh	73, 6.546, 174.293
Yxy	45.2968, 0.3032, 0.3358
Android (android.graphics.Color)	4289181618 (0xFFA7B7B2)
YUV	177.6460, 0.1745, -9.3365
Hunter-Lab	67.3029, -9.3074, 4.2136

# Details

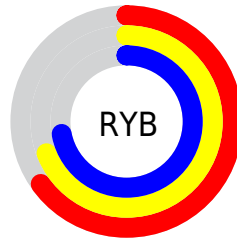
The Yxy color **45.2968, 0.3032, 0.3358** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.6746, 0.3232, 0.3223**, and the grayscale version is **44.3243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2031, 0.3046, 0.3342**, and **21.0908, 0.3009, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **43.2191, 0.2927, 0.3443**, and if you desaturate by 10%, it is **47.6701, 0.3141, 0.3281**.

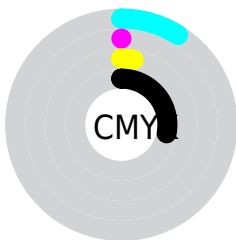
# Distribution



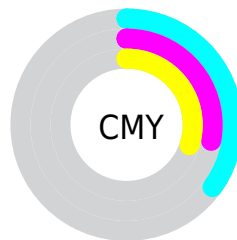
- Red (65%)
- Green (72%)
- Blue (70%)



- Red (65%)
- Yellow (69%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)




- Cyan (35%)
- Magenta (28%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2968, 0.3032, 0.3358 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 45.2968, 0.3032, 0.3358 by changing the saturation by 10% instead.




 45.2968, 0.3032,  
0.3358


 45.2968, 0.3032,  
0.3358


367.9743, 0.3080,  
0.3324

 31.6913, 0.3020,  
0.3367

 83.1656, 0.3049,  
0.3346

 21.1258, 0.3004,  
0.3378


 108.1977, 0.3056,  
0.3341

 13.2160, 0.2984,  
0.3393


137.8074, 0.3062,  
0.3337

 7.5774, 0.2954,  
0.3414

172.3791, 0.3066,  
0.3334

 3.8258, 0.2910,  
0.3446

212.2973, 0.3070,  
0.3331

 1.5766, 0.2835,  
0.3500

257.9463, 0.3074,

 0.3417, 0.1988,

0.3328

0.4097

309.7105, 0.3077,  
0.3326

0.0000, 0.0000,  
0.0000

45.2968, 0.3032,  
0.3358

45.2968, 0.3032,  
0.3358

43.2191, 0.2927,  
0.3443

47.6701, 0.3141,  
0.3281

41.4192, 0.2829,  
0.3537

50.3444, 0.3251,  
0.3212

39.8865, 0.2740,  
0.3638

53.3322, 0.3361,  
0.3151

38.6071, 0.2663,  
0.3746

56.6437, 0.3470,  
0.3097

37.5660, 0.2601,  
0.3859

59.6227, 0.3546,  
0.3047

■ 36.7466, 0.2557,  
0.3976

■ 59.9082, 0.3498,  
0.2988

■ 36.1302, 0.2532,  
0.4095

■ 60.2039, 0.3450,  
0.2931

■ 35.6946, 0.2527,  
0.4214

■ 60.5101, 0.3402,  
0.2875

■ 35.4015, 0.2539,  
0.4331

■ 60.8269, 0.3356,  
0.2819

# Harmonies

## Analogous

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



45.2968, 0.3121, 0.3423



45.2968, 0.3032, 0.3358



45.2968, 0.2969, 0.3274

# Triad

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



45.2968, 0.3032, 0.3358



45.2968, 0.3041, 0.3134



45.2968, 0.3309, 0.3380

# Complementary

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



45.2968, 0.3032, 0.3358



40.6746, 0.3232, 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.



45.2968, 0.3288, 0.3302



45.2968, 0.3032, 0.3358



45.2968, 0.3132, 0.3162

# Square

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



45.2968, 0.3032, 0.3358



45.2968, 0.2975, 0.3146



45.2968, 0.3222, 0.3223



45.2968, 0.3281, 0.3435



# Rectangle

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



45.2968, 0.3032, 0.3358



45.2968, 0.2950, 0.3221



45.2968, 0.3222, 0.3223



45.2968, 0.3307, 0.3356

# Sweetspot

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



45.2987, 0.3032, 0.3358



83.4775, 0.3094, 0.3313



45.4382, 0.3160, 0.3508



18.3618, 0.3085, 0.3319



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.



45.2987, 0.3032, 0.3358



80.1687, 0.3006, 0.3378



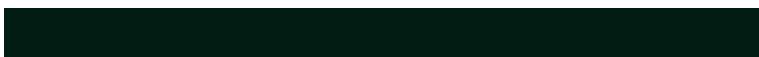
44.3038, 0.2994, 0.3250



10.1614, 0.3026, 0.3363



24.6824, 0.2537, 0.4332



0.8808, 0.2453, 0.4029



# Inverse Universe

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



40.6746, 0.3232, 0.3223



69.7780, 0.3265, 0.3204



41.5746, 0.3273, 0.3330



9.0574, 0.3240, 0.3219



7.2432, 0.5680, 0.2903



0.2669, 0.4931, 0.2490



# Previews

## White Background



This preview shows how the Yxy color 45.2968, 0.3032, 0.3358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

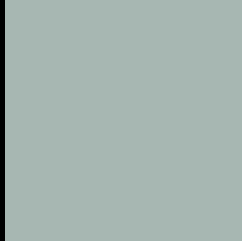
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2968, 0.3032, 0.3358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

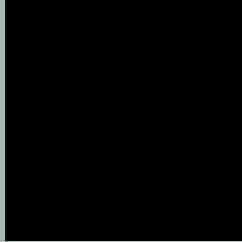
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

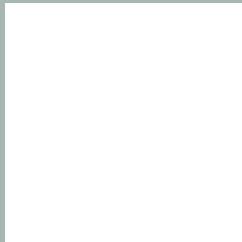
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.2968, 0.3032, 0.3358**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2968, 0.3032, 0.3358.



This preview shows how white text looks on a background with the Yxy color 45.2968, 0.3032, 0.3358.

# 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

45.2968, 0.3032, 0.3358

### Protanopia

45.0032, 0.3195, 0.3330

### Deuteranopia

44.9182, 0.3275, 0.3202



## Tritanopia

45.1287, 0.2929, 0.3092

# Trichromacy



## Original Color

45.2968, 0.3032, 0.3358

## Protanomaly

45.1242, 0.3133, 0.3343

## Deuteranomaly

45.0132, 0.3181, 0.3264

## Tritanomaly

45.1569, 0.2965, 0.3183

# Monochromacy



## Original Color

45.2968, 0.3032, 0.3358

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.8555, 0.3092, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2968, 0.3032, 0.3358 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(167, 183, 178)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 178)  
}
```

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(167, 183, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2968, 0.3032, 0.3358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

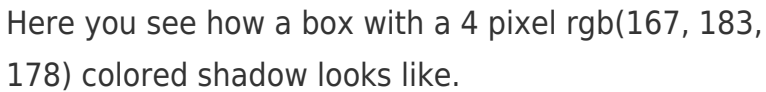
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 183, 178) }
```

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

```
.border{ border-color:rgb(167, 183, 178) }
```

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



Here you see how a box with a 4 pixel rgb(167, 183, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 178);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2968, 0.3032, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 178) }
```

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

```
.background{ background-color: rgb(167,  
183, 178) }
```

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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