

# Converting Colors

$Yxy(45.0428, 0.3054, 0.3102)$

Have a look what the booklet for  
Yxy(45.0428, 0.3054, 0.3102)  
contains.

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# Color

**Yxy(45.1510, 0.3058, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B1BF
RGB	182, 177, 191
RGB Percent	71%, 69%, 75%
CMY	0.2864, 0.3058, 0.2510
CMYK	0.05, 0.07, 0.00, 0.25
HSL	261°, 10%, 72%
HSV	261°, 7%, 75%
XYZ	44.4103, 45.1510, 55.6654
YIQ	180.0910, -1.5140, 5.4140

# Conversions

## Conversions Part 2

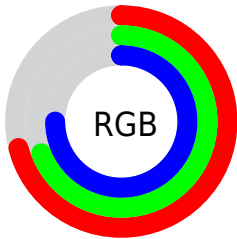
Format	Color
<a href="#">RYB</a>	<a href="#">182, 177, 191</a>
Decimal	<a href="#">11973055</a>
CIELab	<a href="#">72.99, 4.41, -6.49</a>
CIELCh	<a href="#">73, 7.842, 304.178</a>
Yxy	<a href="#">45.1510, 0.3058, 0.3109</a>
Android (android.graphics.Color)	<a href="#">4290163135 (0xFFB6B1BF)</a>
YUV	<a href="#">180.0910, 5.3781, 1.6742</a>
Hunter-Lab	<a href="#">67.1945, 0.3843, -2.0810</a>

# Details

The Yxy color `45.1510, 0.3058, 0.3109` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `50.8844, 0.3193, 0.3469`, and the grayscale version is `45.6627, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.1704, 0.3074, 0.3149`, and `20.9174, 0.3033, 0.3043` is the 20% darker color. If you saturate the color by 10%, you get `36.6897, 0.2951, 0.2841`, and if you desaturate by 10%, it is `54.8049, 0.3151, 0.3353`.

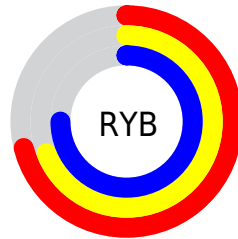
# Distribution



Red (71%)

Green (69%)

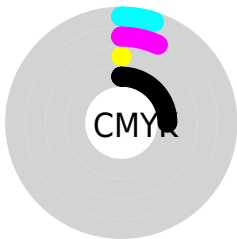
Blue (75%)



Red (71%)

Yellow (69%)

Blue (75%)

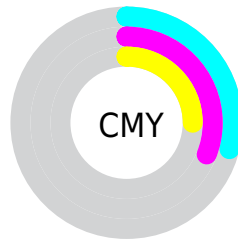


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (29%)

Magenta (31%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1510, 0.3058, 0.3109 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 45.1510, 0.3058, 0.3109 by changing the saturation by 10% instead.



■ 45.1510, 0.3058,  
0.3109

■ 45.1510, 0.3058,  
0.3109

367.3848, 0.3093,  
0.3199

■ 31.5764, 0.3049,  
0.3087

■ 82.9470, 0.3071,  
0.3142

■ 21.0381, 0.3038,  
0.3058

107.9371, 0.3076,  
0.3154

■ 13.1519, 0.3022,  
0.3020

137.5012, 0.3080,  
0.3164

■ 7.5332, 0.3000,  
0.2967

172.0236, 0.3083,  
0.3173

■ 3.7977, 0.2966,  
0.2888

211.8888, 0.3086,  
0.3181

■ 1.5611, 0.2909,  
0.2759

257.4811, 0.3089,

■ 0.3311, 0.2694,

0.3188

0.2112

309.1850, 0.3091,  
0.3194

0.0000, 0.0000,  
0.0000

45.1510, 0.3058,  
0.3109

45.1510, 0.3058,  
0.3109

36.6897, 0.2951,  
0.2841

54.8049, 0.3151,  
0.3353

29.3681, 0.2827,  
0.2550

65.6900, 0.3229,  
0.3572

23.1380, 0.2689,  
0.2242

77.8502, 0.3296,  
0.3766

17.9454, 0.2538,  
0.1928

91.3256, 0.3352,  
0.3938

13.7315, 0.2378,  
0.1620

94.4631, 0.3432,  
0.3936

■ 10.4316, 0.2216,  
0.1335

■ 96.5417, 0.3508,  
0.3919

■ 7.9727, 0.2060,  
0.1091

■ 6.2701, 0.1919,  
0.0904

■ 5.2051, 0.1800,  
0.0778

# Harmonies

## Analogous

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



45.1510, 0.2966, 0.3107



45.1510, 0.3058, 0.3109



45.1510, 0.3170, 0.3157

# Triad

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



45.1510, 0.3058, 0.3109



45.1510, 0.3341, 0.3423



45.1510, 0.2984, 0.3339

# Complementary

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



45.1510, 0.3058, 0.3109



50.8844, 0.3193, 0.3469

# 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.



45.1510, 0.3082, 0.3429



45.1510, 0.3058, 0.3109



45.1510, 0.3289, 0.3476

# Square

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



45.1510, 0.3058, 0.3109



45.1510, 0.3335, 0.3336



45.1510, 0.3194, 0.3479



45.1510, 0.2924, 0.3238



# Rectangle

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



45.1510, 0.3058, 0.3109



45.1510, 0.3241, 0.3210



45.1510, 0.3194, 0.3479



45.1510, 0.3013, 0.3372

# Sweetspot

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



45.1529, 0.3058, 0.3109



89.7416, 0.3109, 0.3241



48.2741, 0.3016, 0.3226



19.7451, 0.3110, 0.3244



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.



45.1529, 0.3058, 0.3109



77.9515, 0.3040, 0.3062



46.0194, 0.3117, 0.3112



9.3850, 0.3037, 0.3057



3.3092, 0.1784, 0.0757



0.1667, 0.2069, 0.0913



# Inverse Universe

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



46.0755, 0.3176, 0.3175



79.9967, 0.3189, 0.3146



50.0352, 0.3136, 0.3472



9.6375, 0.3190, 0.3143



8.2431, 0.4336, 0.2162



0.3349, 0.4001, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 45.1510, 0.3058, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

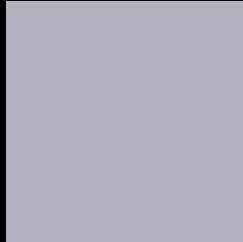
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1510, 0.3058, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

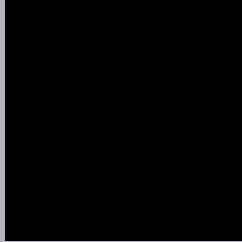
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1510, 0.3058, 0.3109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1510, 0.3058, 0.3109.

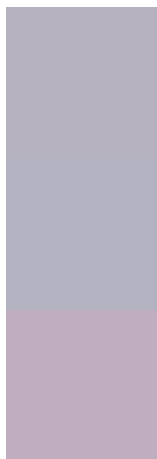


This preview shows how white text looks on a background with the Yxy color 45.1510, 0.3058, 0.3109.

# 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

45.1510, 0.3058, 0.3109

### Protanopia

45.2303, 0.3025, 0.3108

### Deuteranopia

45.1542, 0.3129, 0.3062



## Tritanopia

45.1510, 0.3058, 0.3109

# Trichromacy



## Original Color

45.1510, 0.3058, 0.3109

## Protanomaly

45.3499, 0.3033, 0.3108

## Deuteranomaly

45.1571, 0.3103, 0.3074

## Tritanomaly

45.1510, 0.3058, 0.3109

# Monochromacy



## Original Color

45.1510, 0.3058, 0.3109

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.5246, 0.3104, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1510, 0.3058, 0.3109 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, 177, 191)` looks like.

```
.text, #text, p{  
    color:rgb(182, 177, 191)  
}
```

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, 177, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 177, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1510, 0.3058, 0.3109 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, 177, 191) }
```

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

```
.border{ border-color:rgb(182, 177, 191) }
```

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

Here you see how a box with a 4 pixel rgb(182, 177, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 177, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 177, 191);  
box-shadow:4px 4px 4px 4px rgb(182, 177,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1510, 0.3058, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 177, 191) }
```

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

```
.background{ background-color: rgb(182,  
177, 191) }
```

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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