

# Converting Colors

$Yxy(45.1276, 0.3177, 0.3163)$

Have a look what the booklet for  
Yxy(45.1276, 0.3177, 0.3163)  
contains.

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# Color

**Yxy(45.1099, 0.3177, 0.3162)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BEAFB9
RGB	190, 175, 185
RGB Percent	75%, 69%, 73%
CMY	0.2549, 0.3137, 0.2744
CMYK	0.00, 0.08, 0.03, 0.25
HSL	320°, 10%, 72%
HSV	320°, 8%, 75%
XYZ	45.3239, 45.1099, 52.2288
YIQ	180.6250, 5.7300, 6.2900

# Conversions

## Conversions Part 2

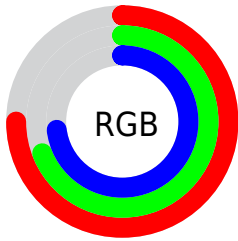
Format	Color
R <sub>Y</sub> B	190, 175, 185
Decimal	12496825
CIE Lab	72.96, 7.16, -3.17
CIE LCh	73, 7.835, 336.111
Yxy	45.1099, 0.3177, 0.3162
Android (android.graphics.Color)	4290686905 (0xFFBEAFB9)
YUV	180.6250, 2.1569, 8.2219
Hunter-Lab	67.1639, 2.9195, 0.9090

# Details

The Yxy color  $45.1099, 0.3177, 0.3162$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $49.2361, 0.3081, 0.3421$ , and the grayscale version is  $45.9829, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.0955, 0.3166, 0.3190$ , and  $21.1502, 0.3195, 0.3134$  is the 20% darker color. If you saturate the color by 10%, you get  $37.9681, 0.3250, 0.2993$ , and if you desaturate by 10%, it is  $53.3081, 0.3115, 0.3323$ .

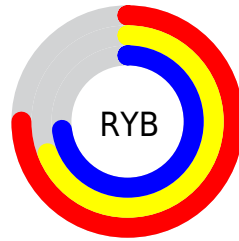
# Distribution



Red (75%)

Green (69%)

Blue (73%)



Red (75%)

Yellow (69%)

Blue (73%)

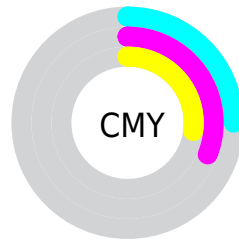


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (25%)



Cyan (25%)

Magenta (31%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1099, 0.3177, 0.3162 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 45.1099, 0.3177, 0.3162 by changing the saturation by 10% instead.



■ 45.1099, 0.3177,  
0.3162

■ 45.1099, 0.3177,  
0.3162

367.2185, 0.3152,  
0.3226

■ 31.5440, 0.3183,  
0.3146

■ 82.8853, 0.3168,  
0.3185

■ 21.0134, 0.3191,  
0.3126

107.8636, 0.3165,  
0.3194

■ 13.1338, 0.3201,  
0.3099

137.4148, 0.3162,  
0.3201

■ 7.5208, 0.3216,  
0.3061

171.9233, 0.3159,  
0.3208

■ 3.7899, 0.3237,  
0.3005

211.7736, 0.3157,  
0.3213

■ 1.5567, 0.3273,  
0.2912

257.3499, 0.3155,

■ 0.3282, 0.3492,

0.3218

0.2354

309.0367, 0.3154,  
0.3222

0.0000, 0.0000,  
0.0000

45.1099, 0.3177,  
0.3162

45.1099, 0.3177,  
0.3162

37.9681, 0.3250,  
0.2993

53.3081, 0.3115,  
0.3323

31.8335, 0.3336,  
0.2820

62.5975, 0.3063,  
0.3475

26.6615, 0.3436,  
0.2647

73.0190, 0.3019,  
0.3615

22.4022, 0.3549,  
0.2483

84.6090, 0.2983,  
0.3745

19.0009, 0.3675,  
0.2336

87.4541, 0.2950,  
0.3714

■ 16.3971, 0.3812,  
0.2218

■ 87.7878, 0.2916,  
0.3642

■ 14.5226, 0.3955,  
0.2138

■ 88.1341, 0.2883,  
0.3571

■ 13.2971, 0.4099,  
0.2106

■ 88.4932, 0.2851,  
0.3501

■ 12.5994, 0.4241,  
0.2121

■ 88.8653, 0.2818,  
0.3431

# Harmonies

## Analogous

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



45.1099, 0.3065, 0.3111



45.1099, 0.3177, 0.3162



45.1099, 0.3277, 0.3246

# Triad

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



45.1099, 0.3177, 0.3162



45.1099, 0.3284, 0.3478



45.1099, 0.2922, 0.3232

# Complementary

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



45.1099, 0.3177, 0.3162



49.2361, 0.3081, 0.3421

# 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.



45.1099, 0.2979, 0.3333



45.1099, 0.3177, 0.3162



45.1099, 0.3187, 0.3477

# Square

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



45.1099, 0.3177, 0.3162



45.1099, 0.3339, 0.3428



45.1099, 0.3075, 0.3424



45.1099, 0.2919, 0.3149



# Rectangle

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



45.1099, 0.3177, 0.3162



45.1099, 0.3323, 0.3310



45.1099, 0.3075, 0.3424



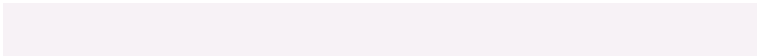
45.1099, 0.2935, 0.3265

# Sweetspot

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



45.1119, 0.3177, 0.3162



90.2182, 0.3139, 0.3258



44.0522, 0.3048, 0.3094



19.8446, 0.3139, 0.3259



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.



45.1119, 0.3177, 0.3162



80.0250, 0.3186, 0.3141



44.8125, 0.3238, 0.3255



9.6410, 0.3187, 0.3138



8.3119, 0.4253, 0.2117



0.3372, 0.3945, 0.1947



# Inverse Universe

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



45.1119, 0.3177, 0.3162



80.0250, 0.3186, 0.3141



49.5402, 0.3027, 0.3325



9.6410, 0.3187, 0.3138



8.3119, 0.4253, 0.2117

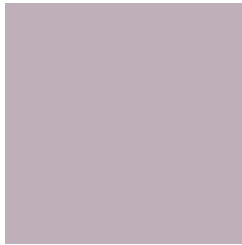


0.3372, 0.3945, 0.1947



# Previews

## White Background



This preview shows how the Yxy color 45.1099, 0.3177, 0.3162 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 45.1099, 0.3177, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

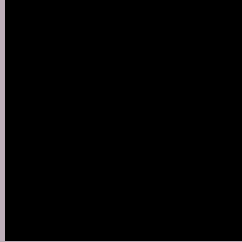
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1099, 0.3177, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1099, 0.3177, 0.3162.



This preview shows how white text looks on a background with the Yxy color 45.1099, 0.3177, 0.3162.

# 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

45.1099, 0.3177, 0.3162

### Protanopia

45.1319, 0.3073, 0.3172

### Deuteranopia

45.2442, 0.3213, 0.3151



## Tritanopia

44.8501, 0.3153, 0.3112

# Trichromacy



## Original Color

45.1099, 0.3177, 0.3162

## Protanomaly

45.1798, 0.3115, 0.3173

## Deuteranomaly

45.1123, 0.3205, 0.3151

## Tritanomaly

44.8071, 0.3161, 0.3124

# Monochromacy



## Original Color

45.1099, 0.3177, 0.3162

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.8079, 0.3146, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1099, 0.3177, 0.3162 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(190, 175, 185)` looks like.

```
.text, #text, p{  
    color:rgb(190, 175, 185)  
}
```

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(190, 175, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 175, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1099, 0.3177, 0.3162 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(190, 175, 185) }
```

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

```
.border{ border-color:rgb(190, 175, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 175, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 175, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 175, 185);  
box-shadow:4px 4px 4px 4px rgb(190, 175,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1099, 0.3177, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 175, 185) }
```

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

```
.background{ background-color: rgb(190,  
175, 185) }
```

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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