

# Converting Colors

$Yxy(45.9928, 0.3028, 0.2981)$

Have a look what the booklet for  
Yxy(45.9928, 0.3028, 0.2981)  
contains.

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# Color

**Yxy(45.9591, 0.3031, 0.2976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB0C9
RGB	188, 176, 201
RGB Percent	74%, 69%, 79%
CMY	0.2627, 0.3098, 0.2117
CMYK	0.06, 0.12, 0.00, 0.21
HSL	269°, 19%, 74%
HSV	269°, 12%, 79%
XYZ	46.8085, 45.9591, 61.6649
YIQ	182.4380, -0.8730, 10.3190

# Conversions

## Conversions Part 2

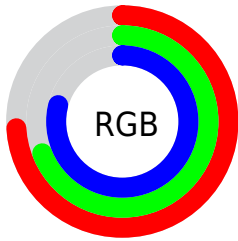
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 176, 201
Decimal	12366025
CIE Lab	73.52, 8.99, -11.13
CIE LCh	74, 14.307, 308.940
Yxy	45.9591, 0.3031, 0.2976
Android (android.graphics.Color)	4290556105 (0xFFBCB0C9)
YUV	182.4380, 9.1511, 4.8779
Hunter-Lab	67.7931, 4.6092, -6.4752

# Details

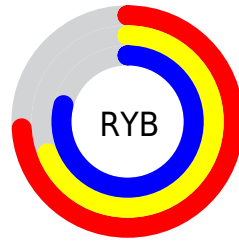
The Yxy color `45.9591, 0.3031, 0.2976` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.7293, 0.3214, 0.3604`, and the grayscale version is `46.9814, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.1663, 0.3065, 0.3063`, and `21.6728, 0.3006, 0.2900` is the 20% darker color. If you saturate the color by 10%, you get `37.3740, 0.2939, 0.2701`, and if you desaturate by 10%, it is `55.8113, 0.3110, 0.3231`.

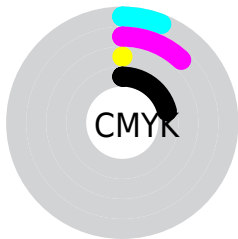
# Distribution



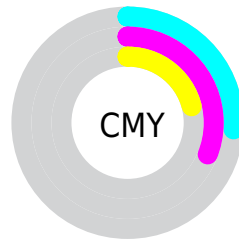
- Red (74%)
- Green (69%)
- Blue (79%)



- Red (74%)
- Yellow (69%)
- Blue (79%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)



- Cyan (26%)
- Magenta (31%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9591, 0.3031, 0.2976 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 45.9591, 0.3031, 0.2976 by changing the saturation by 10% instead.



■ 45.9591, 0.3031,  
0.2976

■ 45.9591, 0.3031,  
0.2976

370.6442, 0.3080,  
0.3130

■ 32.2135, 0.3018,  
0.2938

■ 84.1578, 0.3049,  
0.3031

■ 21.5247, 0.3002,  
0.2890

109.3797, 0.3056,  
0.3052

■ 13.5080, 0.2980,  
0.2827

139.1959, 0.3062,  
0.3070

■ 7.7793, 0.2949,  
0.2741

173.9907, 0.3066,  
0.3086

■ 3.9541, 0.2901,  
0.2616

214.1485, 0.3071,  
0.3099

■ 1.6479, 0.2820,  
0.2417

260.0538, 0.3074,

■ 0.3896, 0.2679,

0.3111

0.1769

312.0909, 0.3077,  
0.3121

0.0000, 0.0000,  
0.0000

45.9591, 0.3031,  
0.2976

45.9591, 0.3031,  
0.2976

37.3740, 0.2939,  
0.2701

55.8113, 0.3110,  
0.3231

29.9970, 0.2834,  
0.2410

66.9747, 0.3177,  
0.3464

23.7731, 0.2717,  
0.2111

79.4984, 0.3233,  
0.3674

18.6405, 0.2589,  
0.1815

92.5279, 0.3281,  
0.3849

14.5318, 0.2454,  
0.1536

94.3069, 0.3350,  
0.3837

■ 11.3712, 0.2317,  
0.1290

■ 96.1913, 0.3419,  
0.3825

■ 9.0726, 0.2185,  
0.1089

■ 96.9973, 0.3448,  
0.3820

■ 7.5325, 0.2063,  
0.0943

■ 6.7321, 0.1980,  
0.0864

# Harmonies

## Analogous

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



45.9591, 0.2858, 0.2956



45.9591, 0.3031, 0.2976



45.9591, 0.3235, 0.3073

# Triad

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



45.9591, 0.3031, 0.2976



45.9591, 0.3508, 0.3547



45.9591, 0.2846, 0.3349

# Complementary

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



45.9591, 0.3031, 0.2976



55.7293, 0.3214, 0.3604

# 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.



45.9591, 0.3012, 0.3523



45.9591, 0.3031, 0.2976



45.9591, 0.3396, 0.3636

# Square

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



45.9591, 0.3031, 0.2976



45.9591, 0.3515, 0.3396



45.9591, 0.3214, 0.3629



45.9591, 0.2754, 0.3164



# Rectangle

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



45.9591, 0.3031, 0.2976



45.9591, 0.3361, 0.3170



45.9591, 0.3214, 0.3629



45.9591, 0.2895, 0.3411

# Sweetspot

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



45.9611, 0.3031, 0.2976



92.6720, 0.3098, 0.3191



49.9880, 0.2935, 0.3141



19.5495, 0.3092, 0.3172



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.



45.9611, 0.3031, 0.2976



74.3988, 0.3007, 0.2902



47.5718, 0.3134, 0.2986



10.5331, 0.3056, 0.3056



4.2865, 0.1994, 0.0872



0.2460, 0.2228, 0.1001



# Inverse Universe

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



47.1438, 0.3240, 0.3130



76.8500, 0.3269, 0.3093



54.2383, 0.3118, 0.3613



10.7275, 0.3210, 0.3171



8.4610, 0.4856, 0.2449

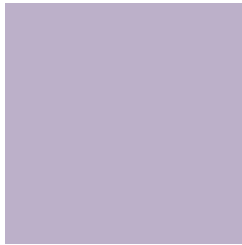


0.4152, 0.4422, 0.2210



# Previews

## White Background



This preview shows how the Yxy color 45.9591, 0.3031, 0.2976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

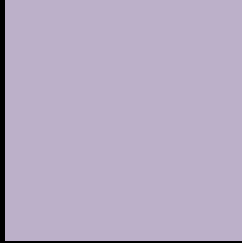
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9591, 0.3031, 0.2976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

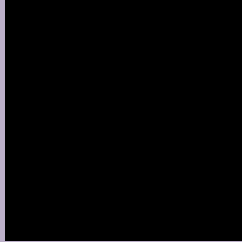
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9591, 0.3031, 0.2976**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9591, 0.3031, 0.2976.



This preview shows how white text looks on a background with the Yxy color 45.9591, 0.3031, 0.2976.

# 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

45.9591, 0.3031, 0.2976

### Protanopia

45.8991, 0.2926, 0.2982

### Deuteranopia

46.0865, 0.3039, 0.2977



## Tritanopia

46.2114, 0.3093, 0.3112

# Trichromacy



## Original Color

45.9591, 0.3031, 0.2976

## Protanomaly

45.9288, 0.2965, 0.2984

## Deuteranomaly

46.0865, 0.3039, 0.2977

## Tritanomaly

45.9492, 0.3069, 0.3062

# Monochromacy



## Original Color

45.9591, 0.3031, 0.2976

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.5070, 0.3090, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9591, 0.3031, 0.2976 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(188, 176, 201)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 201)  
}
```

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(188, 176, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9591, 0.3031, 0.2976 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(188, 176, 201) }
```

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

```
.border{ border-color:rgb(188, 176, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 176, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 201);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9591, 0.3031, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 201) }
```

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

```
.background{ background-color: rgb(188,  
176, 201) }
```

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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