

# Converting Colors

$Yxy(49.1336, 0.2984, 0.3225)$

Have a look what the booklet for  
Yxy(49.1336, 0.2984, 0.3225)  
contains.

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# Color

**Yxy(48.9307, 0.2985, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFBCC1
RGB	175, 188, 193
RGB Percent	69%, 74%, 76%
CMY	0.3137, 0.2627, 0.2432
CMYK	0.09, 0.03, 0.00, 0.24
HSL	197°, 13%, 72%
HSV	197°, 9%, 76%
XYZ	45.2893, 48.9307, 57.5031
YIQ	184.6830, -9.3530, -1.2010

# Conversions

## Conversions Part 2

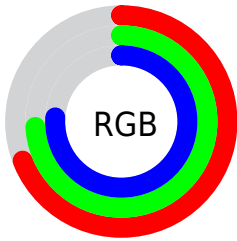
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 183, 193
Decimal	11517121
CIE <sub>Lab</sub>	75.41, -3.47, -4.06
CIE <sub>LCh</sub>	75, 5.341, 229.493
Yxy	48.9307, 0.2985, 0.3225
Android (android.graphics.Color)	4289707201 (0xFFAFBCC1)
YUV	184.6830, 4.1003, -8.4920
Hunter-Lab	69.9505, -6.8438, 0.2258

# Details

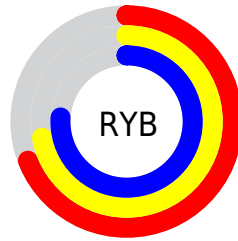
The Yxy color **48.9307, 0.2985, 0.3225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0758, 0.3281, 0.3354**, and the grayscale version is **48.3131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5298, 0.3015, 0.3239**, and **23.3590, 0.2936, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **44.6106, 0.2833, 0.3148**, and if you desaturate by 10%, it is **53.6590, 0.3138, 0.3295**.

# Distribution



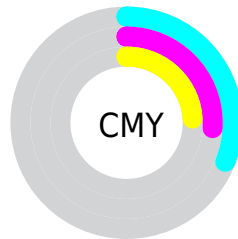
- Red (69%)
- Green (74%)
- Blue (76%)



- Red (69%)
- Yellow (72%)
- Blue (76%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (31%)
- Magenta (26%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9307, 0.2985, 0.3225 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 48.9307, 0.2985, 0.3225 by changing the saturation by 10% instead.



■ 48.9307, 0.2985,  
0.3225

■ 48.9307, 0.2985,  
0.3225

382.4694, 0.3055,  
0.3258

■ 34.5645, 0.2968,  
0.3217

■ 88.5885, 0.3010,  
0.3237

■ 23.3276, 0.2946,  
0.3206

114.6489, 0.3020,  
0.3241

■ 14.8356, 0.2916,  
0.3192

145.3762, 0.3028,  
0.3245

■ 8.7041, 0.2876,  
0.3173

181.1548, 0.3035,  
0.3248

■ 4.5487, 0.2817,  
0.3143

222.3690, 0.3041,  
0.3251

■ 1.9850, 0.2721,  
0.3094

269.4032, 0.3046,

■ 0.5987, 0.2399,

0.3254

0.2966

322.6419, 0.3051,  
0.3256

0.0000, 0.0000,  
0.0000

48.9307, 0.2985,  
0.3225

48.9307, 0.2985,  
0.3225

44.6106, 0.2833,  
0.3148

53.6590, 0.3138,  
0.3295

40.6782, 0.2684,  
0.3065

58.8028, 0.3288,  
0.3357

37.1201, 0.2542,  
0.2975

64.3772, 0.3436,  
0.3413

33.9199, 0.2409,  
0.2879

70.3943, 0.3578,  
0.3462

31.0594, 0.2290,  
0.2779

73.5989, 0.3587,  
0.3515

■ 28.5189, 0.2187,  
0.2677

■ 76.3677, 0.3574,  
0.3568

■ 26.2758, 0.2103,  
0.2572

■ 79.2265, 0.3562,  
0.3621

■ 24.3037, 0.2039,  
0.2468

■ 82.1763, 0.3549,  
0.3674

■ 22.5563, 0.1992,  
0.2366

■ 85.2178, 0.3537,  
0.3725

# Harmonies

## Analogous

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



48.9307, 0.3008, 0.3289



48.9307, 0.2985, 0.3225



48.9307, 0.3000, 0.3180

# Triad

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



48.9307, 0.2985, 0.3225



48.9307, 0.3192, 0.3228



48.9307, 0.3205, 0.3418

# Complementary

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



48.9307, 0.2985, 0.3225



47.0758, 0.3281, 0.3354

# 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.



48.9307, 0.3256, 0.3400



48.9307, 0.2985, 0.3225



48.9307, 0.3248, 0.3290

# Square

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



48.9307, 0.2985, 0.3225



48.9307, 0.3119, 0.3182



48.9307, 0.3272, 0.3353



48.9307, 0.3134, 0.3402



# Rectangle

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



48.9307, 0.2985, 0.3225



48.9307, 0.3029, 0.3166



48.9307, 0.3272, 0.3353



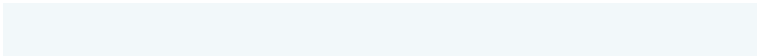
48.9307, 0.3225, 0.3416

# Sweetspot

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



48.9328, 0.2985, 0.3225



92.8684, 0.3081, 0.3269



50.5387, 0.3081, 0.3462



19.7750, 0.3068, 0.3264



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

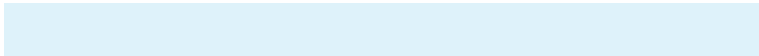


# Same Dimension

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



48.9328, 0.2985, 0.3225



86.1564, 0.2957, 0.3211



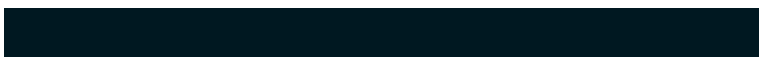
45.2897, 0.2984, 0.3109



10.9405, 0.2984, 0.3225



15.0673, 0.1992, 0.2372



0.7619, 0.2056, 0.2601



# Inverse Universe

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



45.6330, 0.3179, 0.3126



79.1938, 0.3190, 0.3093



50.7393, 0.3269, 0.3464



10.1983, 0.3179, 0.3125



8.8033, 0.4052, 0.2006

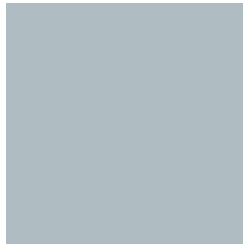


0.3916, 0.3823, 0.1880



# Previews

## White Background



This preview shows how the Yxy color 48.9307, 0.2985, 0.3225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

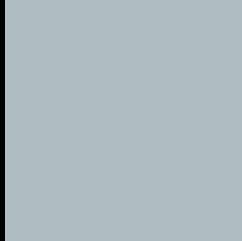
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9307, 0.2985, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

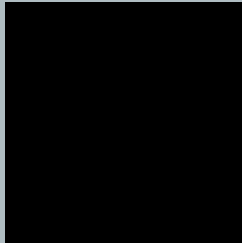
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

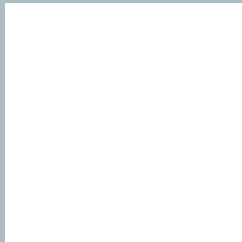
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9307, 0.2985, 0.3225**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9307, 0.2985, 0.3225.



This preview shows how white text looks on a background with the Yxy color 48.9307, 0.2985, 0.3225.

# 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

48.9307, 0.2985, 0.3225

### Protanopia

49.0243, 0.3097, 0.3214

### Deuteranopia

48.7248, 0.3170, 0.3106



## Tritanopia

48.9878, 0.2935, 0.3111

# Trichromacy



## Original Color

48.9307, 0.2985, 0.3225

## Protanomaly

48.9909, 0.3057, 0.3213

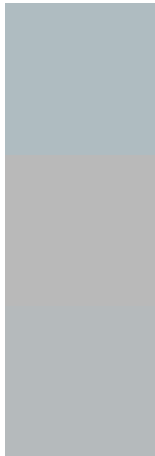
## Deuteranomaly

48.7092, 0.3100, 0.3152

## Tritanomaly

48.8480, 0.2956, 0.3148

# Monochromacy



## Original Color

48.9307, 0.2985, 0.3225

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.5724, 0.3071, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9307, 0.2985, 0.3225 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(175, 188, 193)` looks like.

```
.text, #text, p{  
    color:rgb(175, 188, 193)  
}
```

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(175, 188, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 188, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9307, 0.2985, 0.3225 is called "border". The border property can be set on classes, ids or directly on the HTML element.

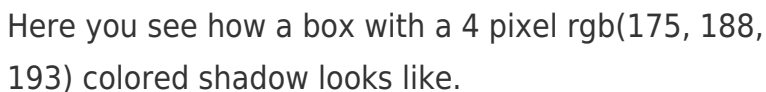
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 188, 193) }
```

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

```
.border{ border-color:rgb(175, 188, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 188, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 188, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 188, 193); box-shadow:4px 4px 4px 4px rgb(175, 188, 193) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9307, 0.2985, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 188, 193) }
```

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

```
.background{ background-color: rgb(175,  
188, 193) }
```

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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