

# Converting Colors

$Y_{xy}(48.3685, 0.2895, 0.3159)$

Have a look what the booklet for  
Yxy(48.3685, 0.2895, 0.3159)  
contains.

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# Color

**Yxy(48.3685, 0.2895, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8BCC6
RGB	168, 188, 198
RGB Percent	66%, 74%, 78%
CMY	0.3411, 0.2627, 0.2236
CMYK	0.15, 0.05, 0.00, 0.22
HSL	200°, 21%, 72%
HSV	200°, 15%, 78%
XYZ	44.3263, 48.3685, 60.4185
YIQ	183.1600, -15.1300, -1.1300

# Conversions

## Conversions Part 2

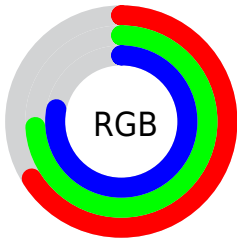
Format	Color
R <sub>Y</sub> B	168, 180, 198
Decimal	11058374
CIE Lab	75.06, -4.74, -7.35
CIE LCh	75, 8.751, 237.183
Yxy	48.3685, 0.2895, 0.3159
Android (android.graphics.Color)	4289248454 (0xFFA8BCC6)
YUV	183.1600, 7.3161, -13.2953
Hunter-Lab	69.5475, -7.9405, -2.8242

# Details

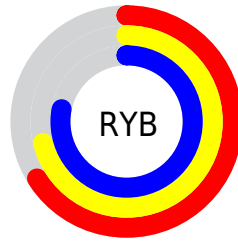
The Yxy color **48.3685, 0.2895, 0.3159** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6758, 0.3388, 0.3418**, and the grayscale version is **47.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6093, 0.2932, 0.3178**, and **23.0546, 0.2836, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **43.6049, 0.2742, 0.3061**, and if you desaturate by 10%, it is **53.5959, 0.3049, 0.3248**.

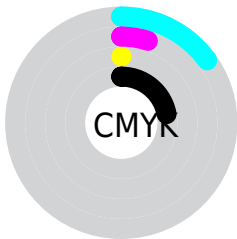
# Distribution



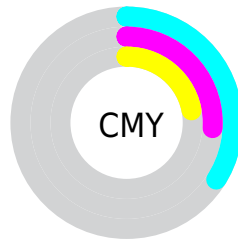
- Red (66%)
- Green (74%)
- Blue (78%)



- Red (66%)
- Yellow (71%)
- Blue (78%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (26%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3685, 0.2895, 0.3159 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 48.3685, 0.2895, 0.3159 by changing the saturation by 10% instead.




 48.3685, 0.2895,  
0.3159

 48.3685, 0.2895,  
0.3159


380.2509, 0.3010,  
0.3225

 34.1188, 0.2867,  
0.3142


 87.7528, 0.2936,  
0.3183

 22.9849, 0.2831,  
0.3121


 113.6562, 0.2952,  
0.3192

 14.5823, 0.2784,  
0.3093


144.2130, 0.2965,  
0.3200

 8.5268, 0.2718,  
0.3053

179.8075, 0.2977,  
0.3206

 4.4338, 0.2622,  
0.2993

220.8241, 0.2986,  
0.3212

 1.9191, 0.2469,  
0.2894

267.6473, 0.2995,

 0.5598, 0.1974,

0.3217

0.2655

320.6615, 0.3003,  
0.3221

0.0000, 0.0000,  
0.0000

48.3685, 0.2895,  
0.3159

48.3685, 0.2895,  
0.3159

43.6049, 0.2742,  
0.3061

53.5959, 0.3049,  
0.3248

39.2824, 0.2592,  
0.2955

59.2967, 0.3201,  
0.3328

35.3854, 0.2449,  
0.2842

65.4877, 0.3348,  
0.3399

31.8944, 0.2316,  
0.2722

72.1830, 0.3491,  
0.3462

28.7885, 0.2199,  
0.2597

77.0459, 0.3536,  
0.3525

■ 26.0442, 0.2098,  
0.2470

■ 80.5989, 0.3522,  
0.3591

■ 23.6344, 0.2017,  
0.2342

■ 84.2904, 0.3508,  
0.3655

■ 21.5266, 0.1957,  
0.2217

■ 88.1219, 0.3495,  
0.3718

■ 20.5807, 0.1932,  
0.2156

■ 92.0948, 0.3481,  
0.3780

# Harmonies

## Analogous

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



48.3685, 0.2916, 0.3258



48.3685, 0.2895, 0.3159



48.3685, 0.2934, 0.3098

# Triad

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



48.3685, 0.2895, 0.3159



48.3685, 0.3262, 0.3212



48.3685, 0.3227, 0.3501

# Complementary

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



48.3685, 0.2895, 0.3159



46.6758, 0.3388, 0.3418

# 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.



48.3685, 0.3322, 0.3484



48.3685, 0.2895, 0.3159



48.3685, 0.3343, 0.3316

# Square

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



48.3685, 0.2895, 0.3159



48.3685, 0.3145, 0.3129



48.3685, 0.3365, 0.3415



48.3685, 0.3106, 0.3459



# Rectangle

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



48.3685, 0.2895, 0.3159



48.3685, 0.2990, 0.3085



48.3685, 0.3365, 0.3415



48.3685, 0.3263, 0.3502

# Sweetspot

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



48.3705, 0.2895, 0.3159



94.9803, 0.3050, 0.3248



51.9048, 0.3041, 0.3560



20.1824, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

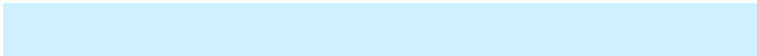


# Same Dimension

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



48.3705, 0.2895, 0.3159



82.9353, 0.2847, 0.3129



42.4881, 0.2888, 0.2965



11.4489, 0.2984, 0.3211



13.5484, 0.1937, 0.2173



0.7707, 0.2009, 0.2433



# Inverse Universe

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



43.6475, 0.3230, 0.3040



73.1836, 0.3254, 0.2986



52.7490, 0.3362, 0.3596



10.7542, 0.3188, 0.3137



8.9077, 0.4261, 0.2121



0.4348, 0.3989, 0.1971



# Previews

## White Background



This preview shows how the Yxy color 48.3685, 0.2895, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

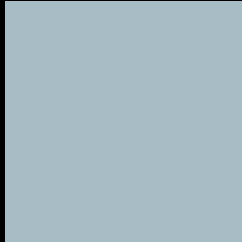
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3685, 0.2895, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

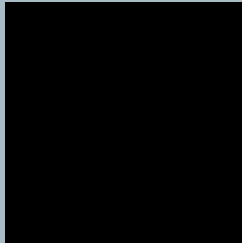
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

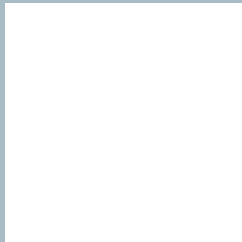
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3685, 0.2895, 0.3159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3685, 0.2895, 0.3159.



This preview shows how white text looks on a background with the Yxy color 48.3685, 0.2895, 0.3159.

# 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

48.3685, 0.2895, 0.3159

### Protanopia

48.1214, 0.3051, 0.3138

### Deuteranopia

48.0124, 0.3097, 0.3031



## Tritanopia

48.2399, 0.2874, 0.3095

# Trichromacy



## Original Color

48.3685, 0.2895, 0.3159

## Protanomaly

48.2672, 0.2994, 0.3149

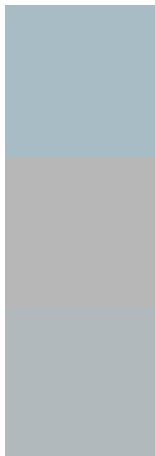
## Deuteranomaly

47.8937, 0.3021, 0.3075

## Tritanomaly

48.1927, 0.2881, 0.3108

# Monochromacy



## Original Color

48.3685, 0.2895, 0.3159

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.7937, 0.3046, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3685, 0.2895, 0.3159 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(168, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 188, 198)  
}
```

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(168, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 188, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3685, 0.2895, 0.3159 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(168, 188, 198) }
```

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

```
.border{ border-color:rgb(168, 188, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(168, 188,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3685, 0.2895, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 188, 198) }
```

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

```
.background{ background-color: rgb(168,  
188, 198) }
```

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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