

# Converting Colors

$Y_{xy}(48.5231, 0.2710, 0.3086)$

Have a look what the booklet for  
Yxy(48.5231, 0.2710, 0.3086)  
contains.

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# Color

**Yxy(48.6883, 0.2709, 0.3090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96C0CF
RGB	150, 192, 207
RGB Percent	59%, 75%, 81%
CMY	0.4120, 0.2470, 0.1881
CMYK	0.28, 0.07, 0.00, 0.19
HSL	196°, 37%, 70%
HSV	196°, 28%, 81%
XYZ	42.6850, 48.6883, 66.1940
YIQ	181.1520, -29.8470, -4.2390

# Conversions

## Conversions Part 2

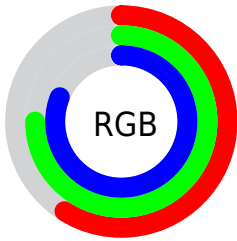
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 174, 207
Decimal	9879759
CIE <sub>Lab</sub>	75.26, -10.45, -12.09
CIE <sub>LCh</sub>	75, 15.980, 229.150
Yxy	48.6883, 0.2709, 0.3090
Android (android.graphics.Color)	4288069839 (0xFF96C0CF)
YUV	181.1520, 12.7431, -27.3203
Hunter-Lab	69.7770, -12.9152, -7.4016

# Details

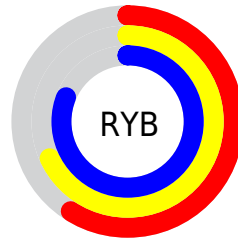
The Yxy color **48.6883, 0.2709, 0.3090** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3661, 0.3672, 0.3481**, and the grayscale version is **46.2334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3339, 0.2828, 0.3216**, and **23.3065, 0.2593, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **44.5500, 0.2566, 0.3006**, and if you desaturate by 10%, it is **53.2659, 0.2858, 0.3168**.

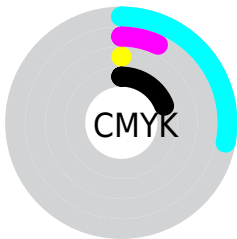
# Distribution



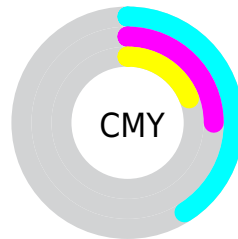
- Red (59%)
- Green (75%)
- Blue (81%)



- Red (59%)
- Yellow (68%)
- Blue (81%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)




- Cyan (41%)
- Magenta (25%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6883, 0.2709, 0.3090 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 48.6883, 0.2709, 0.3090 by changing the saturation by 10% instead.




 48.6883, 0.2709,  
0.3090


 48.6883, 0.2709,  
0.3090

381.5139, 0.2914,  
0.3192

 34.3723, 0.2659,  
0.3064


 88.2283, 0.2782,  
0.3127

 23.1797, 0.2596,  
0.3031


 114.2211, 0.2810,  
0.3141

 14.7263, 0.2514,  
0.2986


144.8750, 0.2834,  
0.3153

 8.6275, 0.2402,  
0.2923

180.5743, 0.2854,  
0.3163

 4.4990, 0.2241,  
0.2828

221.7035, 0.2872,  
0.3172

 1.9564, 0.1992,  
0.2671

268.6469, 0.2888,

 0.5820, 0.1214,

0.3179

0.2370

321.7889, 0.2901,  
0.3186

0.0000, 0.0000,  
0.0000

48.6883, 0.2709,  
0.3090

48.6883, 0.2709,  
0.3090

44.5500, 0.2566,  
0.3006

53.2659, 0.2858,  
0.3168

40.8260, 0.2433,  
0.2916

58.2947, 0.3011,  
0.3240

37.4972, 0.2313,  
0.2821

63.7936, 0.3164,  
0.3305

34.5407, 0.2209,  
0.2724

69.7782, 0.3316,  
0.3364

31.9304, 0.2124,  
0.2626

76.2635, 0.3463,  
0.3415

■ 29.6360, 0.2059,  
0.2527

■ 79.4458, 0.3465,  
0.3469

■ 27.6154, 0.2012,  
0.2430

■ 82.4317, 0.3455,  
0.3523

■ 27.1486, 0.2002,  
0.2406

■ 85.5123, 0.3445,  
0.3576

■ 88.6884, 0.3436,  
0.3629

# Harmonies

## Analogous

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



48.6883, 0.2774, 0.3282



48.6883, 0.2709, 0.3090



48.6883, 0.2750, 0.2961

# Triad

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



48.6883, 0.2709, 0.3090



48.6883, 0.3318, 0.3104



48.6883, 0.3360, 0.3680

# Complementary

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



48.6883, 0.2709, 0.3090



42.3661, 0.3672, 0.3481

# 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.



48.6883, 0.3515, 0.3614



48.6883, 0.2709, 0.3090



48.6883, 0.3492, 0.3281

# Square

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



48.6883, 0.2709, 0.3090



48.6883, 0.3096, 0.2975



48.6883, 0.3564, 0.3466



48.6883, 0.3146, 0.3634



# Rectangle

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



48.6883, 0.2709, 0.3090



48.6883, 0.2834, 0.2925



48.6883, 0.3564, 0.3466



48.6883, 0.3421, 0.3669

# Sweetspot

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



48.6903, 0.2709, 0.3090



92.9583, 0.3003, 0.3237



53.8049, 0.2997, 0.3876



19.6253, 0.2980, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

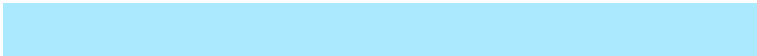


# Same Dimension

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



48.6903, 0.2709, 0.3090



74.0633, 0.2625, 0.3041



37.6151, 0.2670, 0.2704



12.8589, 0.2983, 0.3227



17.2619, 0.2006, 0.2420



1.0907, 0.2055, 0.2598



# Inverse Universe

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



38.8723, 0.3297, 0.2777



56.2047, 0.3343, 0.2666



53.5013, 0.3583, 0.3814



11.9537, 0.3177, 0.3120



9.8139, 0.4003, 0.1979



0.5614, 0.3826, 0.1881



# Previews

## White Background



This preview shows how the Yxy color 48.6883, 0.2709, 0.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

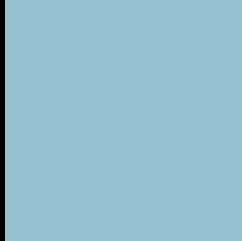
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6883, 0.2709, 0.3090 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

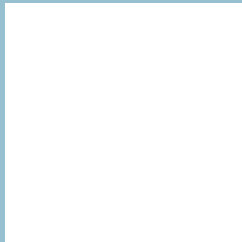
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6883, 0.2709, 0.3090**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.6883, 0.2709, 0.3090.



This preview shows how white text looks on a background with the Yxy color 48.6883, 0.2709, 0.3090.

# 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

48.6883, 0.2709, 0.3090

### Protanopia

48.6125, 0.2982, 0.3063

### Deuteranopia

48.3720, 0.2987, 0.2923



## Tritanopia

48.6883, 0.2709, 0.3090

# Trichromacy



## Original Color

48.6883, 0.2709, 0.3090

## Protanomaly

48.5582, 0.2875, 0.3071

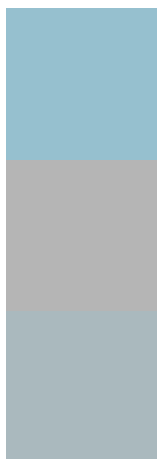
## Deuteranomaly

48.1145, 0.2877, 0.2973

## Tritanomaly

48.6883, 0.2709, 0.3090

# Monochromacy



## Original Color

48.6883, 0.2709, 0.3090

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9617, 0.2967, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6883, 0.2709, 0.3090 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(150, 192, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 192, 207)  
}
```

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(150, 192, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 192, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6883, 0.2709, 0.3090 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(150, 192, 207) }
```

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

```
.border{ border-color:rgb(150, 192, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 192, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 192, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 192, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 192,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6883, 0.2709, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 192, 207) }
```

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

```
.background{ background-color: rgb(150,  
192, 207) }
```

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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