

# Converting Colors

$Yxy(48.4723, 0.2655, 0.3031)$

Have a look what the booklet for  
Yxy(48.4723, 0.2655, 0.3031)  
contains.

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# Color

**Yxy(48.5134, 0.2658, 0.3037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C0D3
RGB	146, 192, 211
RGB Percent	57%, 75%, 83%
CMY	0.4276, 0.2470, 0.1725
CMYK	0.31, 0.09, 0.00, 0.17
HSL	198°, 43%, 70%
HSV	198°, 31%, 83%
XYZ	42.4592, 48.5134, 68.7686
YIQ	180.4120, -33.5150, -3.8430

# Conversions

## Conversions Part 2

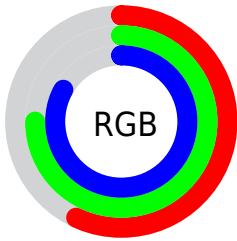
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 173, 211
Decimal	9617619
CIELab	75.15, -10.66, -14.44
CIElCh	75, 17.950, 233.582
Yxy	48.5134, 0.2658, 0.3037
Android (android.graphics.Color)	4287807699 (0xFF92C0D3)
YUV	180.4120, 15.0799, -30.1793
Hunter-Lab	69.6516, -13.0776, -9.7823

# Details

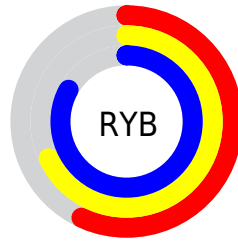
The Yxy color **48.5134, 0.2658, 0.3037** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8309, 0.3749, 0.3528**, and the grayscale version is **45.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7723, 0.2806, 0.3216**, and **23.1927, 0.2537, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **44.1048, 0.2515, 0.2940**, and if you desaturate by 10%, it is **53.3963, 0.2808, 0.3127**.

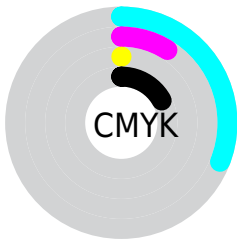
# Distribution



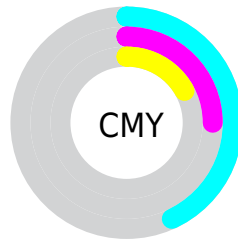
- Red (57%)
- Green (75%)
- Blue (83%)



- Red (57%)
- Yellow (68%)
- Blue (83%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)




- Cyan (43%)
- Magenta (25%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5134, 0.2658, 0.3037 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 48.5134, 0.2658, 0.3037 by changing the saturation by 10% instead.





 48.5134, 0.2658,  
0.3037

 48.5134, 0.2658,  
0.3037


380.8235, 0.2887,  
0.3165

 34.2336, 0.2603,  
0.3005


 87.9683, 0.2740,  
0.3084

 23.0731, 0.2532,  
0.2963


 113.9123, 0.2771,  
0.3102

 14.6475, 0.2441,  
0.2907


144.5130, 0.2798,  
0.3116

 8.5724, 0.2317,  
0.2828

180.1551, 0.2821,  
0.3129

 4.4633, 0.2140,  
0.2712

221.2227, 0.2840,  
0.3140

 1.9360, 0.1870,  
0.2521

268.1004, 0.2858,

 0.5699, 0.1064,

0.3150

0.2153

321.1726, 0.2873,  
0.3158

0.0000, 0.0000,  
0.0000

48.5134, 0.2658,  
0.3037

48.5134, 0.2658,  
0.3037

44.1048, 0.2515,  
0.2940

53.3963, 0.2808,  
0.3127

40.1436, 0.2382,  
0.2838

58.7673, 0.2961,  
0.3209

36.6089, 0.2263,  
0.2731

64.6464, 0.3114,  
0.3284

33.4751, 0.2161,  
0.2621

71.0509, 0.3266,  
0.3351

30.7132, 0.2078,  
0.2510

77.9971, 0.3414,  
0.3411

■ 28.2891, 0.2015,  
0.2399

■ 82.0120, 0.3430,  
0.3472

■ 26.3079, 0.1972,  
0.2300

■ 85.4866, 0.3419,  
0.3532

■ 89.0837, 0.3409,  
0.3592

■ 92.8045, 0.3399,  
0.3650

# Harmonies

## Analogous

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



48.5134, 0.2713, 0.3246



48.5134, 0.2658, 0.3037



48.5134, 0.2721, 0.2908

# Triad

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



48.5134, 0.2658, 0.3037



48.5134, 0.3376, 0.3109



48.5134, 0.3355, 0.3730

# Complementary

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



48.5134, 0.2658, 0.3037



42.8309, 0.3749, 0.3528

# 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.



48.5134, 0.3543, 0.3672



48.5134, 0.2658, 0.3037



48.5134, 0.3558, 0.3310

# Square

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



48.5134, 0.2658, 0.3037



48.5134, 0.3129, 0.2954



48.5134, 0.3620, 0.3515



48.5134, 0.3110, 0.3661



# Rectangle

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



48.5134, 0.2658, 0.3037



48.5134, 0.2824, 0.2878



48.5134, 0.3620, 0.3515



48.5134, 0.3427, 0.3724

# Sweetspot

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



48.5153, 0.2658, 0.3037



91.6986, 0.2987, 0.3223



55.4030, 0.2969, 0.3927



19.3532, 0.2965, 0.3211



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

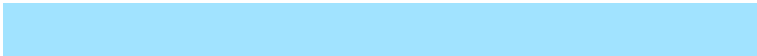


# Same Dimension

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



48.5153, 0.2658, 0.3037



69.9303, 0.2563, 0.2974



35.9761, 0.2607, 0.2591



12.7990, 0.2983, 0.3220



16.0576, 0.1977, 0.2316



1.0313, 0.2032, 0.2516



# Inverse Universe

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



38.2065, 0.3341, 0.2736



52.1970, 0.3400, 0.2616



55.8264, 0.3636, 0.3903



11.9477, 0.3182, 0.3127



9.6923, 0.4110, 0.2038

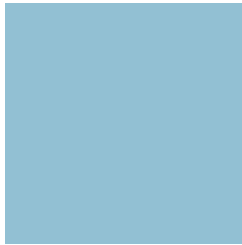


0.5554, 0.3906, 0.1926



# Previews

## White Background



This preview shows how the Yxy color 48.5134, 0.2658, 0.3037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

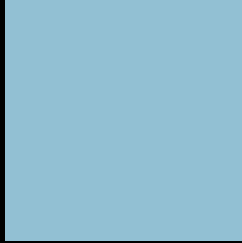
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5134, 0.2658, 0.3037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

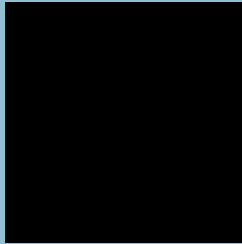
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5134, 0.2658, 0.3037**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5134, 0.2658, 0.3037.



This preview shows how white text looks on a background with the Yxy color 48.5134, 0.2658, 0.3037.

# 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

48.5134, 0.2658, 0.3037

### Protanopia

48.2198, 0.2952, 0.3013

### Deuteranopia

48.3164, 0.2941, 0.2874



## Tritanopia

48.7137, 0.2672, 0.3089

# Trichromacy



## Original Color

48.5134, 0.2658, 0.3037

## Protanomaly

48.0578, 0.2839, 0.3019

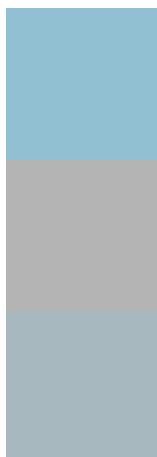
## Deuteranomaly

47.9693, 0.2826, 0.2923

## Tritanomaly

48.7631, 0.2666, 0.3076

# Monochromacy



## Original Color

48.5134, 0.2658, 0.3037

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.3674, 0.2943, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5134, 0.2658, 0.3037 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(146, 192, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 192, 211)  
}
```

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(146, 192, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 192, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5134, 0.2658, 0.3037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

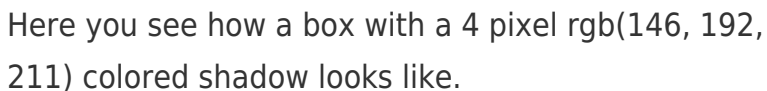
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 192, 211) }
```

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

```
.border{ border-color:rgb(146, 192, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 192, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 192, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 192, 211); box-shadow:4px 4px 4px 4px rgb(146, 192, 211) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5134, 0.2658, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 192, 211) }
```

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

```
.background{ background-color: rgb(146,  
192, 211) }
```

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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