

# Converting Colors

$Y_{xy}(48.9315, 0.2523, 0.2918)$

Have a look what the booklet for  
Yxy(48.9315, 0.2523, 0.2918)  
contains.

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# Color

**Yxy(48.9258, 0.2525, 0.2920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86C2DE
RGB	134, 194, 222
RGB Percent	53%, 76%, 87%
CMY	0.4745, 0.2392, 0.1294
CMYK	0.40, 0.13, 0.00, 0.13
HSL	199°, 57%, 70%
HSV	199°, 40%, 87%
XYZ	42.3074, 48.9258, 76.3209
YIQ	179.2520, -44.7480, -4.0120

# Conversions

## Conversions Part 2

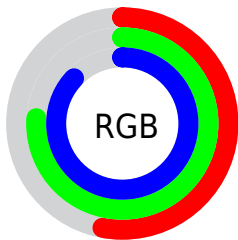
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 170, 222
Decimal	8831710
CIELab	75.41, -12.22, -20.07
CIELCh	75, 23.495, 238.653
Yxy	48.9258, 0.2525, 0.2920
Android (android.graphics.Color)	4287021790 (0xFF86C2DE)
YUV	179.2520, 21.0748, -39.6860
Hunter-Lab	69.9470, -14.4415, -15.7299

# Details

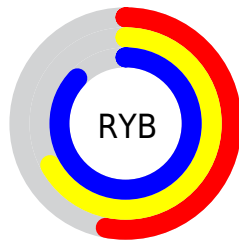
The Yxy color **48.9258, 0.2525, 0.2920** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **43.0898, 0.3985, 0.3627**, and the grayscale version is **45.1246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1615, 0.2748, 0.3246**, and **23.2085, 0.2365, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **44.2215, 0.2388, 0.2808**, and if you desaturate by 10%, it is **54.1662, 0.2672, 0.3025**.

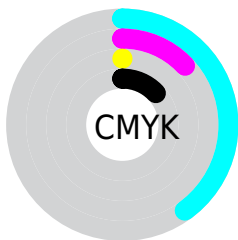
# Distribution



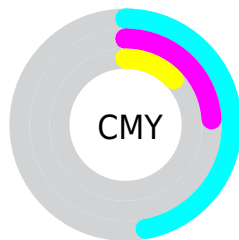
- Red (53%)
- Green (76%)
- Blue (87%)



- Red (53%)
- Yellow (67%)
- Blue (87%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (24%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9258, 0.2525, 0.2920 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 48.9258, 0.2525, 0.2920 by changing the saturation by 10% instead.



■ 48.9258, 0.2525,  
0.2920

■ 48.9258, 0.2525,  
0.2920

■ 382.4501, 0.2817,  
0.3107

■ 34.5606, 0.2455,  
0.2873

■ 88.5812, 0.2629,  
0.2988

■ 23.3246, 0.2368,  
0.2813

■ 114.6403, 0.2668,  
0.3014

■ 14.8334, 0.2255,  
0.2734

■ 145.3661, 0.2702,  
0.3035

■ 8.7025, 0.2104,  
0.2625

■ 181.1430, 0.2731,  
0.3054

■ 4.5477, 0.1893,  
0.2465

■ 222.3555, 0.2757,  
0.3070

■ 1.9844, 0.1583,  
0.2213

■ 269.3879, 0.2779,

■ 0.5984, 0.0799,

0.3084

0.1768

322.6247, 0.2799,  
0.3096

0.0000, 0.0000,  
0.0000

48.9258, 0.2525,  
0.2920

48.9258, 0.2525,  
0.2920

44.2215, 0.2388,  
0.2808

54.1662, 0.2672,  
0.3025

40.0213, 0.2263,  
0.2691

59.9611, 0.2824,  
0.3123

36.2982, 0.2155,  
0.2570

66.3347, 0.2979,  
0.3212

33.0194, 0.2066,  
0.2448

73.3080, 0.3133,  
0.3293

30.1464, 0.1997,  
0.2326

80.9007, 0.3284,  
0.3365

■ 27.6153, 0.1947,  
0.2207

■ 86.7439, 0.3345,  
0.3433

■ 27.5281, 0.1945,  
0.2203

■ 90.9004, 0.3336,  
0.3502

■ 95.2196, 0.3327,  
0.3569

■ 98.0540, 0.3321,  
0.3611

# Harmonies

## Analogous

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



48.9258, 0.2569, 0.3176



48.9258, 0.2525, 0.2920



48.9258, 0.2630, 0.2779

# Triad

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



48.9258, 0.2525, 0.2920



48.9258, 0.3500, 0.3095



48.9258, 0.3369, 0.3867

# Complementary

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



48.9258, 0.2525, 0.2920



43.0898, 0.3985, 0.3627

# 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.



48.9258, 0.3636, 0.3809



48.9258, 0.2525, 0.2920



48.9258, 0.3718, 0.3357

# Square

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



48.9258, 0.2525, 0.2920



48.9258, 0.3183, 0.2886



48.9258, 0.3767, 0.3616



48.9258, 0.3046, 0.3749



# Rectangle

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



48.9258, 0.2525, 0.2920



48.9258, 0.2775, 0.2759



48.9258, 0.3767, 0.3616



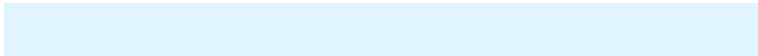
48.9258, 0.3468, 0.3866

# Sweetspot

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



48.9277, 0.2525, 0.2920



88.5966, 0.2941, 0.3191



59.9152, 0.2912, 0.4109



18.7132, 0.2920, 0.3179



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

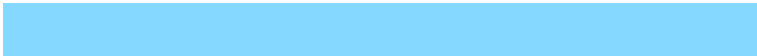


# Same Dimension

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



48.9277, 0.2525, 0.2920



61.3168, 0.2404, 0.2823



32.1970, 0.2430, 0.2305



14.7985, 0.2982, 0.3214



16.5594, 0.1950, 0.2220



1.3069, 0.2001, 0.2405



# Inverse Universe

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



36.4747, 0.3447, 0.2598



42.8867, 0.3544, 0.2452



61.3296, 0.3784, 0.4110



13.8575, 0.3186, 0.3131



10.5797, 0.4211, 0.2093

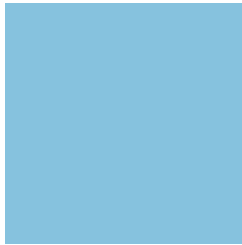


0.7494, 0.4018, 0.1987



# Previews

## White Background



This preview shows how the Yxy color 48.9258, 0.2525, 0.2920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

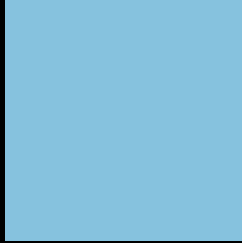
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9258, 0.2525, 0.2920 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 48.9258, 0.2525, 0.2920**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9258, 0.2525, 0.2920.



This preview shows how white text looks on a background with the Yxy color 48.9258, 0.2525, 0.2920.

# 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

48.9258, 0.2525, 0.2920

### Protanopia

48.3570, 0.2857, 0.2891

### Deuteranopia

48.5513, 0.2818, 0.2756



## Tritanopia

49.0586, 0.2567, 0.3073

# Trichromacy



**Original Color**

48.9258, 0.2525, 0.2920

**Protanomaly**

48.3891, 0.2723, 0.2894

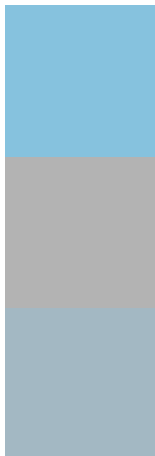
**Deuteranomaly**

48.4990, 0.2698, 0.2812

**Tritanomaly**

48.8936, 0.2549, 0.3008

# Monochromacy



**Original Color**

48.9258, 0.2525, 0.2920

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.0076, 0.2875, 0.3143

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  48.9258, 0.2525, 0.2920 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(134, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(134, 194, 222)  
}
```

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(134, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 194, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9258, 0.2525, 0.2920 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(134, 194, 222) }
```

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

```
.border{ border-color:rgb(134, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(134, 194,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9258, 0.2525, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 194, 222) }
```

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

```
.background{ background-color: rgb(134,  
194, 222) }
```

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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