

# Converting Colors

$Y_{xy}(52.2239, 0.2426, 0.2876)$

Have a look what the booklet for  
Yxy(52.2239, 0.2426, 0.2876)  
contains.

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# Color

**Yxy(52.3925, 0.2423, 0.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BCAEA
RGB	123, 202, 234
RGB Percent	48%, 79%, 92%
CMY	0.5177, 0.2078, 0.0823
CMYK	0.47, 0.14, 0.00, 0.08
HSL	197°, 73%, 70%
HSV	197°, 47%, 92%
XYZ	44.1401, 52.3925, 85.6388
YIQ	182.0270, -57.3560, -6.7960

# Conversions

## Conversions Part 2

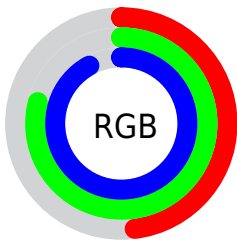
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 169, 234
Decimal	8112874
CIE Lab	77.51, -15.88, -23.38
CIE LCh	78, 28.266, 235.815
Yxy	52.3925, 0.2423, 0.2876
Android (android.graphics.Color)	4286302954 (0xFF7BCAEA)
YUV	182.0270, 25.6227, -51.7667
Hunter-Lab	72.3827, -17.8174, -19.4805

# Details

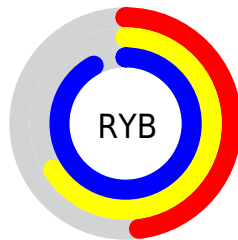
The Yxy color **52.3925, 0.2423, 0.2876** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.3677, 0.4247, 0.3655**, and the grayscale version is **46.6758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **25.4842, 0.2250, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **47.7727, 0.2299, 0.2771**, and if you desaturate by 10%, it is **57.5672, 0.2560, 0.2976**.

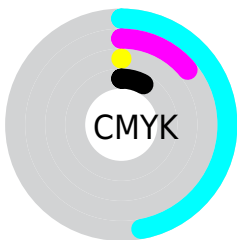
# Distribution



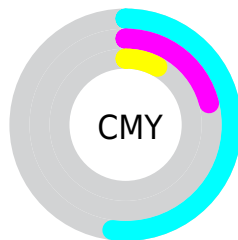
- Red (48%)
- Green (79%)
- Blue (92%)



- Red (48%)
- Yellow (66%)
- Blue (92%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)




- Cyan (52%)
- Magenta (21%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3925, 0.2423, 0.2876 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 52.3925, 0.2423, 0.2876 by changing the saturation by 10% instead.




 52.3925, 0.2423,  
0.2876


 52.3925, 0.2423,  
0.2876


395.9500, 0.2758,  
0.3084


 37.3180, 0.2345,  
0.2825


 93.7098, 0.2541,  
0.2951

 25.4538, 0.2248,  
0.2759


 120.7215, 0.2586,  
0.2980

 16.4155, 0.2124,  
0.2674


 152.4810, 0.2625,  
0.3004

 9.8186, 0.1962,  
0.2557

189.3727, 0.2659,  
0.3024

 5.2789, 0.1741,  
0.2389

231.7811, 0.2688,  
0.3042

 2.4118, 0.1430,  
0.2133

280.0905, 0.2714,

 0.8320, 0.0841,

0.3058

0.1737

334.6854, 0.2737,  
0.3071

0.0000, 0.0000,  
0.0000

52.3925, 0.2423,  
0.2876

52.3925, 0.2423,  
0.2876

47.7727, 0.2299,  
0.2771

57.5672, 0.2560,  
0.2976

43.6701, 0.2192,  
0.2663

63.3194, 0.2706,  
0.3070

40.0511, 0.2103,  
0.2553

69.6775, 0.2858,  
0.3157

36.8741, 0.2034,  
0.2443

76.6658, 0.3012,  
0.3236

34.0843, 0.1985,  
0.2335

84.3074, 0.3166,  
0.3308

■ 33.4118, 0.1974,  
0.2308

■ 90.9960, 0.3262,  
0.3373

■ 95.0977, 0.3255,  
0.3438

■ 98.7214, 0.3250,  
0.3493

# Harmonies

## Analogous

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



52.3925, 0.2490, 0.3185



52.3925, 0.2423, 0.2876



52.3925, 0.2529, 0.2702

# Triad

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



52.3925, 0.2423, 0.2876



52.3925, 0.3533, 0.3035



52.3925, 0.3442, 0.3974

# Complementary

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



52.3925, 0.2423, 0.2876



42.3677, 0.4247, 0.3655

# 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.



52.3925, 0.3745, 0.3881



52.3925, 0.2423, 0.2876



52.3925, 0.3807, 0.3333

# Square

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



52.3925, 0.2423, 0.2876



52.3925, 0.3154, 0.2802



52.3925, 0.3884, 0.3639



52.3925, 0.3065, 0.3858



# Rectangle

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



52.3925, 0.2423, 0.2876



52.3925, 0.2687, 0.2671



52.3925, 0.3884, 0.3639



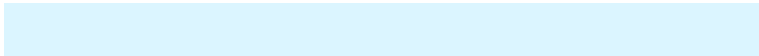
52.3925, 0.3556, 0.3964

# Sweetspot

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



52.3945, 0.2423, 0.2876



87.4542, 0.2910, 0.3184



65.4125, 0.2898, 0.4361



18.3346, 0.2876, 0.3167



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.



52.3945, 0.2423, 0.2876



58.1475, 0.2301, 0.2773



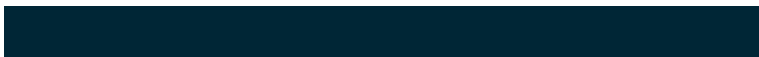
31.0330, 0.2283, 0.2117



16.3454, 0.2981, 0.3220



18.9990, 0.1979, 0.2325



1.6554, 0.2021, 0.2474



# Inverse Universe

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



35.9228, 0.3499, 0.2432



37.1453, 0.3607, 0.2278



64.9981, 0.3941, 0.4231



15.2354, 0.3182, 0.3124



11.4108, 0.4101, 0.2033

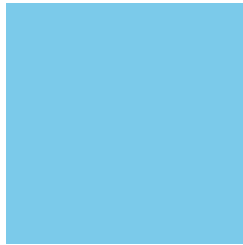


0.9125, 0.3948, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 52.3925, 0.2423, 0.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

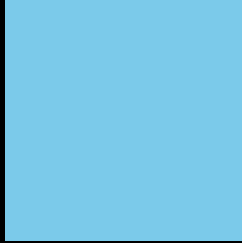
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3925, 0.2423, 0.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

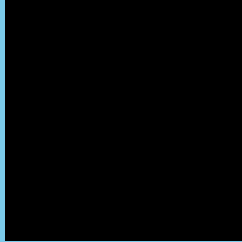
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.3925, 0.2423, 0.2876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3925, 0.2423, 0.2876.

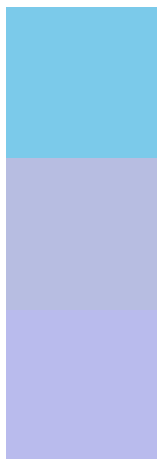


This preview shows how white text looks on a background with the Yxy color 52.3925, 0.2423, 0.2876.

# 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

52.3925, 0.2423, 0.2876

### Protanopia

51.8987, 0.2823, 0.2855

### Deuteranopia

51.9694, 0.2758, 0.2701



## Tritanopia

52.3281, 0.2473, 0.3063

# Trichromacy



**Original Color**

52.3925, 0.2423, 0.2876

**Protanomaly**

51.7621, 0.2657, 0.2866

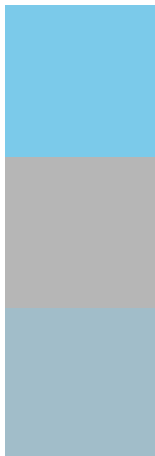
**Deuteranomaly**

51.4368, 0.2614, 0.2750

**Tritanomaly**

52.1959, 0.2450, 0.2986

# Monochromacy



**Original Color**

52.3925, 0.2423, 0.2876

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

48.1893, 0.2823, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.3925, 0.2423, 0.2876 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(123, 202, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 202, 234)  
}
```

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(123, 202, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 202, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3925, 0.2423, 0.2876 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(123, 202, 234) }
```

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

```
.border{ border-color:rgb(123, 202, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 202, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 202, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 202, 234); box-shadow:4px 4px 4px 4px rgb(123, 202, 234) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3925, 0.2423, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 202, 234) }
```

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

```
.background{ background-color: rgb(123,  
202, 234) }
```

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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