

# Converting Colors

$Y_{xy}(46.4104, 0.2505, 0.3089)$

Have a look what the booklet for  
Yxy(46.4104, 0.2505, 0.3089)  
contains.

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# Color

**Yxy(46.3579, 0.2504, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74C1CF
RGB	116, 193, 207
RGB Percent	45%, 76%, 81%
CMY	0.5452, 0.2431, 0.1883
CMYK	0.44, 0.07, 0.00, 0.19
HSL	189°, 49%, 63%
HSV	189°, 44%, 81%
XYZ	37.5300, 46.3579, 65.9922
YIQ	171.5730, -50.3860, -11.9700

# Conversions

## Conversions Part 2

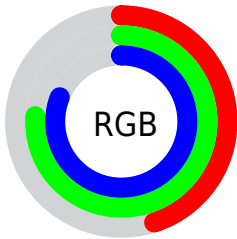
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	116, 158, 207
Decimal	7651791
CIE <sub>Lab</sub>	73.78, -20.15, -14.47
CIE <sub>LCh</sub>	74, 24.808, 215.672
Y <sub>xy</sub>	46.3579, 0.2504, 0.3093
Android (android.graphics.Color)	4285841871 (0xFF74C1CF)
Y <sub>UV</sub>	171.5730, 17.4655, -48.7375
Hunter-Lab	68.0866, -20.7608, -9.8055

# Details

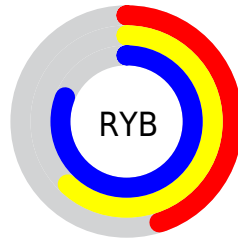
The Yxy color **46.3579, 0.2504, 0.3093** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.4743, 0.4198, 0.3472**, and the grayscale version is **40.9543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3619, 0.2655, 0.3234**, and **21.6950, 0.2334, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **43.7059, 0.2392, 0.3041**, and if you desaturate by 10%, it is **49.3597, 0.2630, 0.3143**.

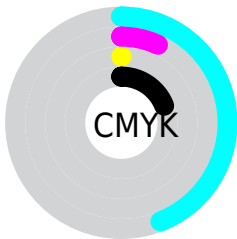
# Distribution



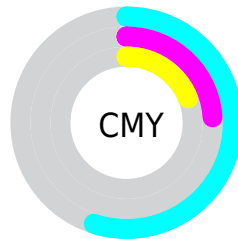
- Red (45%)
- Green (76%)
- Blue (81%)



- Red (45%)
- Yellow (62%)
- Blue (81%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)



- Cyan (55%)
- Magenta (24%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3579, 0.2504, 0.3093 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 46.3579, 0.2504, 0.3093 by changing the saturation by 10% instead.



■ 46.3579, 0.2504,  
0.3093

■ 46.3579, 0.2504,  
0.3093

■ 372.2457, 0.2809,  
0.3198

■ 32.5283, 0.2430,  
0.3065

■ 84.7544, 0.2613,  
0.3133

■ 21.7654, 0.2337,  
0.3028

■ 110.0901, 0.2654,  
0.3147

■ 13.6846, 0.2216,  
0.2977

■ 140.0299, 0.2690,  
0.3159

■ 7.9016, 0.2053,  
0.2903

■ 174.9584, 0.2720,  
0.3169

■ 4.0321, 0.1821,  
0.2788

■ 215.2598, 0.2747,  
0.3178

■ 1.6915, 0.1474,  
0.2589

■ 261.3185, 0.2770,

■ 0.4182, 0.0000,

0.3186

0.2115

313.5190, 0.2790,  
0.3192

0.0000, 0.0000,  
0.0000

46.3579, 0.2504,  
0.3093

46.3579, 0.2504,  
0.3093

43.7059, 0.2392,  
0.3041

49.3597, 0.2630,  
0.3143

41.3768, 0.2297,  
0.2987

52.7253, 0.2768,  
0.3190

39.3484, 0.2221,  
0.2932


56.4745, 0.2914,  
0.3234


37.5930, 0.2164,  
0.2877

60.6239, 0.3066,  
0.3275

36.0770, 0.2126,  
0.2823

65.1892, 0.3220,  
0.3312

 35.2432, 0.2109,  
0.2791

 70.1851, 0.3375,  
0.3345

 74.4974, 0.3483,  
0.3375

 76.1345, 0.3477,  
0.3407

 77.8032, 0.3471,  
0.3439

# Harmonies

## Analogous

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



46.3579, 0.2670, 0.3423



46.3579, 0.2504, 0.3093



46.3579, 0.2495, 0.2844

# Triad

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



46.3579, 0.2504, 0.3093



46.3579, 0.3270, 0.2902



46.3579, 0.3616, 0.3877

# Complementary

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



46.3579, 0.2504, 0.3093



30.4743, 0.4198, 0.3472

# 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.



46.3579, 0.3798, 0.3696



46.3579, 0.2504, 0.3093



46.3579, 0.3596, 0.3143

# Square

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



46.3579, 0.2504, 0.3093



46.3579, 0.2921, 0.2753



46.3579, 0.3793, 0.3427



46.3579, 0.3306, 0.3900



# Rectangle

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



46.3579, 0.2504, 0.3093



46.3579, 0.2577, 0.2751



46.3579, 0.3793, 0.3427



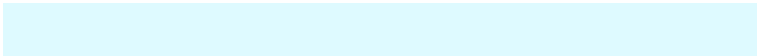
46.3579, 0.3695, 0.3831

# Sweetspot

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



46.3597, 0.2504, 0.3093



91.0410, 0.2927, 0.3238



49.9317, 0.2984, 0.4446



19.1850, 0.2893, 0.3228



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.



46.3597, 0.2504, 0.3093



70.1886, 0.2396, 0.3042



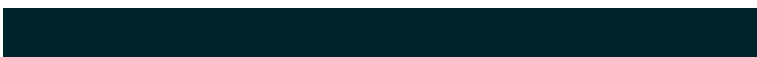
29.3401, 0.2388, 0.2414



13.0849, 0.2983, 0.3253



22.3204, 0.2111, 0.2798



1.3336, 0.2138, 0.2897



# Inverse Universe

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



29.5977, 0.3323, 0.2365



40.6116, 0.3378, 0.2184



45.2345, 0.3936, 0.4025



11.9766, 0.3161, 0.3095



10.3245, 0.3636, 0.1777

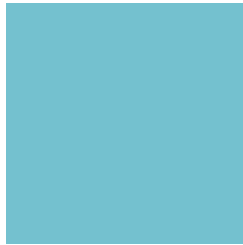


0.5859, 0.3546, 0.1727



# Previews

## White Background



This preview shows how the Yxy color 46.3579, 0.2504, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

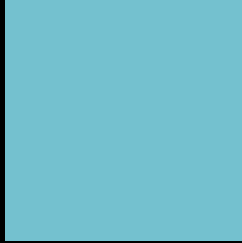
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3579, 0.2504, 0.3093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

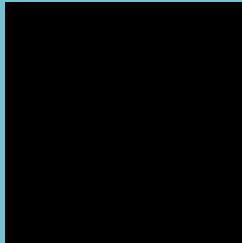
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3579, 0.2504, 0.3093**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3579, 0.2504, 0.3093.



This preview shows how white text looks on a background with the Yxy color 46.3579, 0.2504, 0.3093.

# 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

46.3579, 0.2504, 0.3093

### Protanopia

45.7824, 0.2971, 0.3045

### Deuteranopia

45.8211, 0.2914, 0.2852



## Tritanopia

46.4070, 0.2499, 0.3079

# Trichromacy



**Original Color**

46.3579, 0.2504, 0.3093

**Protanomaly**

45.4666, 0.2774, 0.3061

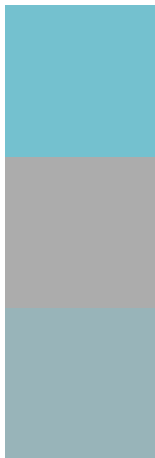
**Deuteranomaly**

45.4800, 0.2741, 0.2922

**Tritanomaly**

46.4070, 0.2499, 0.3079

# Monochromacy



**Original Color**

46.3579, 0.2504, 0.3093

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.8207, 0.2859, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3579, 0.2504, 0.3093 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(116, 193, 207)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 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(116, 193, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3579, 0.2504, 0.3093 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(116, 193, 207) }
```

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

```
.border{ border-color:rgb(116, 193, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 193, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 193, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 193, 207);  
box-shadow:4px 4px 4px 4px rgb(116, 193,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3579, 0.2504, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 207) }
```

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

```
.background{ background-color: rgb(116,  
193, 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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