

# Converting Colors

$Y_{xy}(38.0670, 0.2328, 0.2984)$

Have a look what the booklet for  
Yxy(38.0670, 0.2328, 0.2984)  
contains.

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# Color

**Yxy(38.0260, 0.2326, 0.2983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FB3C7
RGB	79, 179, 199
RGB Percent	31%, 70%, 78%
CMY	0.6902, 0.2980, 0.2197
CMYK	0.60, 0.10, 0.00, 0.22
HSL	190°, 52%, 55%
HSV	190°, 60%, 78%
XYZ	29.6508, 38.0260, 59.7988
YIQ	151.3800, -66.0200, -14.9800

# Conversions

## Conversions Part 2

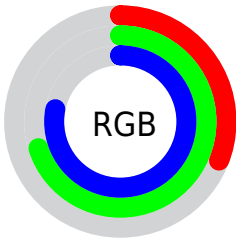
Format	Color
<b>RYB</b>	79, 134, 199
Decimal	5223367
CIELab	68.04, -23.13, -18.89
CIELCh	68, 29.866, 219.232
Yxy	38.0260, 0.2326, 0.2983
Android (android.graphics.Color)	4283413447 (0xFF4FB3C7)
YUV	151.3800, 23.4767, -63.4773
Hunter-Lab	61.6652, -22.0850, -14.3299

# Details

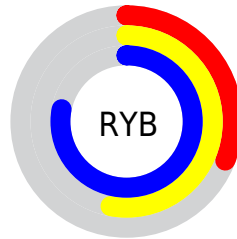
The Yxy color **38.0260, 0.2326, 0.2983** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **21.6221, 0.4818, 0.3541**, and the grayscale version is **31.0368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1256, 0.2475, 0.3056**, and **16.9660, 0.2133, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **35.9860, 0.2241, 0.2924**, and if you desaturate by 10%, it is **40.3560, 0.2429, 0.3041**.

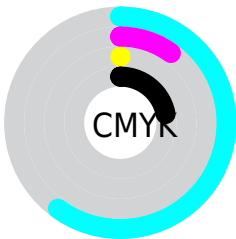
# Distribution



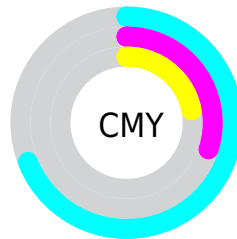
- Red (31%)
- Green (70%)
- Blue (78%)



- Red (31%)
- Yellow (53%)
- Blue (78%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)




- Cyan (69%)
- Magenta (30%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0260, 0.2326, 0.2983 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 38.0260, 0.2326, 0.2983 by changing the saturation by 10% instead.





 38.0260, 0.2326,  
0.2983


 38.0260, 0.2326,  
0.2983


337.7315, 0.2727,  
0.3152


 26.0029, 0.2227,  
0.2936


 72.1480, 0.2471,  
0.3048


 16.8258, 0.2101,  
0.2874


 95.0156, 0.2526,  
0.3071

 10.1104, 0.1935,  
0.2786


 122.2669, 0.2572,  
0.3090

 5.4722, 0.1710,  
0.2657

 154.2862, 0.2612,  
0.3107

 2.5269, 0.1391,  
0.2449

191.4579, 0.2646,  
0.3120

 0.8901, 0.0676,  
0.2139

234.1664, 0.2677,

 0.0000, 0.0000,

0.3132

0.0000

282.7962, 0.2703,  
0.3143

■ 38.0260, 0.2326,  
0.2983

■ 38.0260, 0.2326,  
0.2983

■ 35.9860, 0.2241,  
0.2924

■ 40.3560, 0.2429,  
0.3041

■ 34.2081, 0.2175,  
0.2864

■ 42.9927, 0.2548,  
0.3097

■ 32.6654, 0.2128,  
0.2805

■ 45.9563, 0.2680,  
0.3150

■ 31.3425, 0.2097,  
0.2748

■ 49.2639, 0.2821,  
0.3200

■ 52.9314, 0.2970,  
0.3247

■ 56.9736, 0.3123,  
0.3289

■ 61.4046, 0.3276,  
0.3327

■ 66.2374, 0.3429,  
0.3361

■ 70.8962, 0.3555,  
0.3392

# Harmonies

## Analogous

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



38.0260, 0.2508, 0.3405



38.0260, 0.2326, 0.2983



38.0260, 0.2339, 0.2690

# Triad

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



38.0260, 0.2326, 0.2983



38.0260, 0.3362, 0.2830



38.0260, 0.3707, 0.4059

# Complementary

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



38.0260, 0.2326, 0.2983



21.6221, 0.4818, 0.3541

# 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.



38.0260, 0.3972, 0.3833



38.0260, 0.2326, 0.2983



38.0260, 0.3772, 0.3138

# Square

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



38.0260, 0.2326, 0.2983



38.0260, 0.2909, 0.2628



38.0260, 0.4001, 0.3496



38.0260, 0.3296, 0.4072



# Rectangle

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



38.0260, 0.2326, 0.2983



38.0260, 0.2456, 0.2592



38.0260, 0.4001, 0.3496



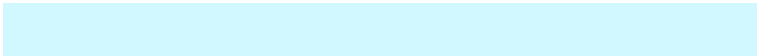
38.0260, 0.3817, 0.4002

# Sweetspot

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



38.0274, 0.2326, 0.2983



87.5308, 0.2851, 0.3210



43.3639, 0.2949, 0.4957



18.3472, 0.2808, 0.3196



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.



38.0274, 0.2326, 0.2983



62.1191, 0.2221, 0.2907



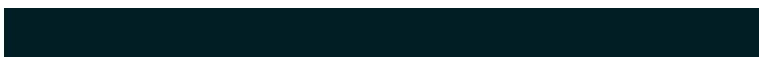
19.4568, 0.2110, 0.2016



11.7553, 0.2984, 0.3251



20.2681, 0.2099, 0.2756



1.0418, 0.2133, 0.2878



# Inverse Universe

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



20.9856, 0.3436, 0.2091



31.2229, 0.3518, 0.1926



36.8136, 0.4285, 0.4262



10.7851, 0.3163, 0.3100



9.5861, 0.3676, 0.1799



0.4622, 0.3563, 0.1736



# Previews

## White Background



This preview shows how the Yxy color 38.0260, 0.2326, 0.2983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

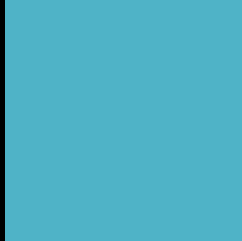
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.0260, 0.2326, 0.2983 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 38.0260, 0.2326, 0.2983**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.0260, 0.2326, 0.2983.



This preview shows how white text looks on a background with the Yxy color 38.0260, 0.2326, 0.2983.

# 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

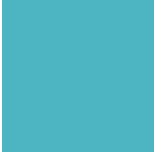
38.0260, 0.2326, 0.2983

### Protanopia

37.4456, 0.2893, 0.2929

### Deuteranopia

37.4829, 0.2792, 0.2724



## **Tritanopia**

38.1153, 0.2347, 0.3071

# Trichromacy



**Original Color**

38.0260, 0.2326, 0.2983

**Protanomaly**

37.0515, 0.2631, 0.2939

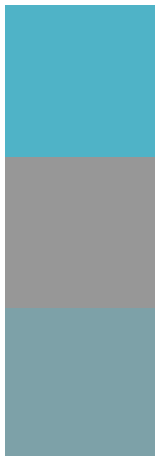
**Deuteranomaly**

37.1751, 0.2578, 0.2803

**Tritanomaly**

38.2477, 0.2340, 0.3042

# Monochromacy



**Original Color**

38.0260, 0.2326, 0.2983

**Achromatopsia**

30.9469, 0.3127, 0.3290

**Achromatomaly**

32.6769, 0.2750, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0260, 0.2326, 0.2983 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(79, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(79, 179, 199)  
}
```

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(79, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 179, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0260, 0.2326, 0.2983 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(79, 179, 199) }
```

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

```
.border{ border-color:rgb(79, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(79, 179,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0260, 0.2326, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 179, 199) }
```

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

```
.background{ background-color: rgb(79, 179,  
199) }
```

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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