

# Converting Colors

$Yxy(38.5804, 0.2487, 0.3151)$

Have a look what the booklet for  
Yxy(38.5804, 0.2487, 0.3151)  
contains.

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# Color

**Yxy(38.5804, 0.2487, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64B3BC
RGB	100, 179, 188
RGB Percent	39%, 70%, 74%
CMY	0.6079, 0.2980, 0.2628
CMYK	0.47, 0.05, 0.00, 0.26
HSL	186°, 40%, 56%
HSV	186°, 47%, 74%
XYZ	30.4505, 38.5804, 53.4077
YIQ	156.4050, -49.9730, -13.9490

# Conversions

## Conversions Part 2

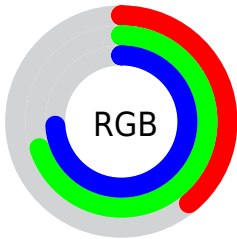
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 142, 188
Decimal	6599612
CIELab	68.45, -21.86, -12.13
CIELCh	68, 25.005, 209.025
Yxy	38.5804, 0.2487, 0.3151
Android (android.graphics.Color)	4284789692 (0xFF64B3BC)
YUV	156.4050, 15.5763, -49.4672
Hunter-Lab	62.1131, -21.1897, -7.5011

# Details

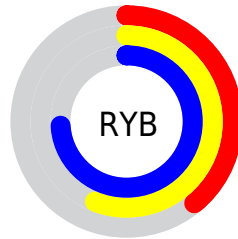
The Yxy color **38.5804, 0.2487, 0.3151** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.5404, 0.4322, 0.3418**, and the grayscale version is **33.3817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0162, 0.2606, 0.3184**, and **17.1424, 0.2299, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **36.8675, 0.2386, 0.3117**, and if you desaturate by 10%, it is **40.5543, 0.2604, 0.3184**.

# Distribution



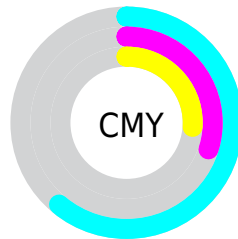
- Red (39%)
- Green (70%)
- Blue (74%)



- Red (39%)
- Yellow (56%)
- Blue (74%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)




- Cyan (61%)
- Magenta (30%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5804, 0.2487, 0.3151 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 38.5804, 0.2487, 0.3151 by changing the saturation by 10% instead.




 38.5804, 0.2487,  
0.3151


 38.5804, 0.2487,  
0.3151

340.1032, 0.2810,  
0.3230


 26.4335, 0.2406,  
0.3128


 72.9969, 0.2605,  
0.3182

 17.1482, 0.2302,  
0.3097


 96.0352, 0.2649,  
0.3193

 10.3402, 0.2163,  
0.3052


 123.4728, 0.2686,  
0.3202

 5.6251, 0.1971,  
0.2982

 155.6940, 0.2718,  
0.3209

 2.6185, 0.1688,  
0.2864

193.0833, 0.2746,  
0.3216

 0.9360, 0.1024,  
0.2699

236.0249, 0.2770,

 0.0000, 0.0000,

0.3221

0.0000

284.9035, 0.2791,  
0.3226

■ 38.5804, 0.2487,  
0.3151

■ 38.5804, 0.2487,  
0.3151

■ 36.8675, 0.2386,  
0.3117

■ 40.5543, 0.2604,  
0.3184

■ 35.3937, 0.2303,  
0.3082

■ 42.8003, 0.2734,  
0.3216

■ 34.1412, 0.2239,  
0.3047

■ 45.3343, 0.2875,  
0.3245

■ 33.0871, 0.2193,  
0.3012

■ 48.1696, 0.3023,  
0.3273

■ 32.2006, 0.2165,  
0.2977

■ 51.3186, 0.3176,  
0.3298

■ 31.9337, 0.2157,  
0.2966

■ 54.7932, 0.3332,  
0.3320

■ 58.6045, 0.3487,  
0.3341

■ 62.7630, 0.3639,  
0.3359

■ 64.4894, 0.3672,  
0.3378

# Harmonies

## Analogous

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



38.5804, 0.2697, 0.3512



38.5804, 0.2487, 0.3151



38.5804, 0.2440, 0.2859

# Triad

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



38.5804, 0.2487, 0.3151



38.5804, 0.3195, 0.2831



38.5804, 0.3708, 0.3887

# Complementary

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



38.5804, 0.2487, 0.3151



22.5404, 0.4322, 0.3418

# 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.



38.5804, 0.3864, 0.3663



38.5804, 0.2487, 0.3151



38.5804, 0.3560, 0.3069

# Square

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



38.5804, 0.2487, 0.3151



38.5804, 0.2830, 0.2699



38.5804, 0.3811, 0.3366



38.5804, 0.3398, 0.3958



# Rectangle

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



38.5804, 0.2487, 0.3151



38.5804, 0.2502, 0.2739



38.5804, 0.3811, 0.3366



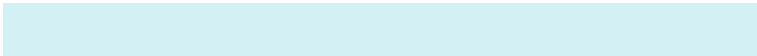
38.5804, 0.3781, 0.3826

# Sweetspot

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



38.5819, 0.2487, 0.3151



83.4503, 0.2912, 0.3253



39.7674, 0.3005, 0.4599



17.7158, 0.2881, 0.3246



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



38.5819, 0.2487, 0.3151



66.7991, 0.2385, 0.3116



23.7204, 0.2357, 0.2429



10.6387, 0.2985, 0.3266



21.8098, 0.2159, 0.2970



0.9028, 0.2182, 0.3053



# Inverse Universe

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



23.0577, 0.3283, 0.2264



35.8001, 0.3323, 0.2076



34.3221, 0.4019, 0.4010



9.6791, 0.3153, 0.3087



9.2314, 0.3480, 0.1691

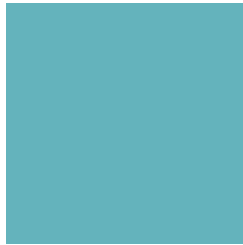


0.3665, 0.3408, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 38.5804, 0.2487, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

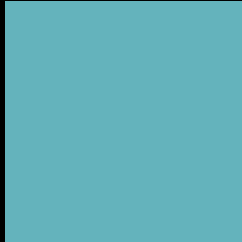
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.5804, 0.2487, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

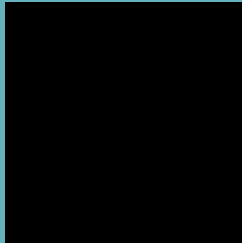
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

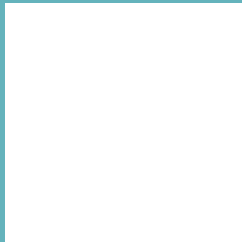
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 38.5804, 0.2487, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.5804, 0.2487, 0.3151.

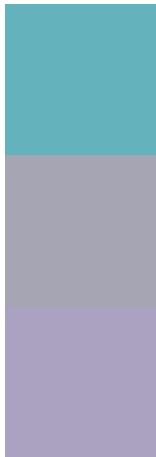


This preview shows how white text looks on a background with the Yxy color 38.5804, 0.2487, 0.3151.

# 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

38.5804, 0.2487, 0.3151

### Protanopia

38.1643, 0.3009, 0.3094

### Deuteranopia

38.1925, 0.2947, 0.2885



## Tritanopia

38.4577, 0.2461, 0.3062

# Trichromacy



**Original Color**

38.5804, 0.2487, 0.3151

**Protanomaly**

37.7896, 0.2785, 0.3114

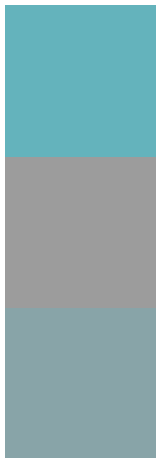
**Deuteranomaly**

37.7866, 0.2749, 0.2961

**Tritanomaly**

38.3691, 0.2472, 0.3091

# Monochromacy



**Original Color**

38.5804, 0.2487, 0.3151

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

34.6123, 0.2844, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5804, 0.2487, 0.3151 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(100, 179, 188)` looks like.

```
.text, #text, p{  
    color:rgb(100, 179, 188)  
}
```

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(100, 179, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 179, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5804, 0.2487, 0.3151 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(100, 179, 188) }
```

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

```
.border{ border-color:rgb(100, 179, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 179, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 179, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 179, 188);  
box-shadow:4px 4px 4px 4px rgb(100, 179,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5804, 0.2487, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 179, 188) }
```

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

```
.background{ background-color: rgb(100,  
179, 188) }
```

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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