

# Converting Colors

$Yxy(38.8734, 0.2561, 0.3153)$

Have a look what the booklet for  
Yxy(38.8734, 0.2561, 0.3153)  
contains.

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# Color

**Yxy(38.8734, 0.2561, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70B2BB
RGB	112, 178, 187
RGB Percent	44%, 70%, 73%
CMY	0.5606, 0.3020, 0.2667
CMYK	0.40, 0.05, 0.00, 0.27
HSL	187°, 36%, 59%
HSV	187°, 40%, 73%
XYZ	31.5746, 38.8734, 52.8422
YIQ	159.2920, -42.2250, -11.1930

# Conversions

## Conversions Part 2

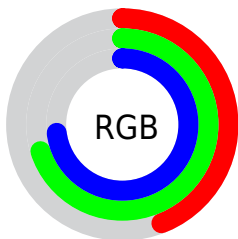
Format	Color
<a href="#">RYB</a>	<a href="#">112, 147, 187</a>
Decimal	<a href="#">7385787</a>
CIELab	<a href="#">68.66, -18.62, -11.21</a>
CIElCh	<a href="#">69, 21.735, 211.034</a>
Yxy	<a href="#">38.8734, 0.2561, 0.3153</a>
Android (android.graphics.Color)	<a href="#">4285575867</a> ( <a href="#">0xFF70B2BB</a> )
YUV	<a href="#">159.2920, 13.6600, -41.4751</a>
Hunter-Lab	<a href="#">62.3485, -18.7138, -6.6060</a>

# Details

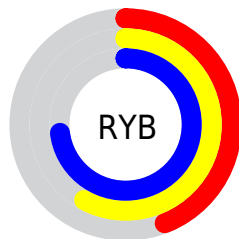
The Yxy color **38.8734, 0.2561, 0.3153** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.4157, 0.4071, 0.3419**, and the grayscale version is **34.7671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5322, 0.2666, 0.3186**, and **17.2880, 0.2396, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **36.8877, 0.2447, 0.3113**, and if you desaturate by 10%, it is **41.1315, 0.2689, 0.3191**.

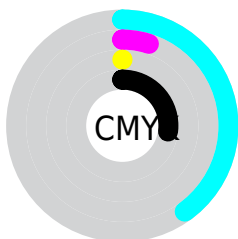
# Distribution



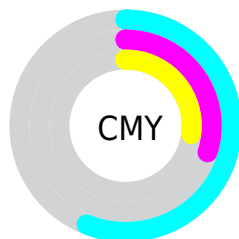
- Red (44%)
- Green (70%)
- Blue (73%)



- Red (44%)
- Yellow (58%)
- Blue (73%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)



- Cyan (56%)
- Magenta (30%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8734, 0.2561, 0.3153 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 38.8734, 0.2561, 0.3153 by changing the saturation by 10% instead.





 38.8734, 0.2561,  
0.3153


 38.8734, 0.2561,  
0.3153


341.3519, 0.2847,  
0.3229


 26.6613, 0.2489,  
0.3131


 73.4449, 0.2666,  
0.3183

 17.3190, 0.2396,  
0.3102


 96.5730, 0.2705,  
0.3193

 10.4622, 0.2272,  
0.3060


 124.1086, 0.2738,  
0.3202

 5.7065, 0.2099,  
0.2997

156.4360, 0.2766,  
0.3209

 2.6674, 0.1842,  
0.2889

193.9396, 0.2790,  
0.3215

 0.9607, 0.1294,  
0.2723

237.0039, 0.2812,

 0.0000, 0.0000,

0.3221

0.0000

286.0132, 0.2830,  
0.3225

■ 38.8734, 0.2561,  
0.3153

■ 38.8734, 0.2561,  
0.3153

■ 36.8877, 0.2447,  
0.3113

■ 41.1315, 0.2689,  
0.3191

■ 35.1537, 0.2350,  
0.3073

■ 43.6719, 0.2827,  
0.3226

■ 33.6554, 0.2270,  
0.3031


■ 46.5097, 0.2974,  
0.3259


■ 32.3726, 0.2210,  
0.2989

■ 49.6575, 0.3126,  
0.3290

■ 31.2814, 0.2168,  
0.2948


■ 53.1271, 0.3280,  
0.3317

 30.3405, 0.2141,  
0.2907

 56.9297, 0.3435,  
0.3342

 61.0760, 0.3587,  
0.3364

 64.2963, 0.3681,  
0.3385

 65.3148, 0.3675,  
0.3408

# Harmonies

## Analogous

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



38.8734, 0.2737, 0.3462



38.8734, 0.2561, 0.3153



38.8734, 0.2529, 0.2905

# Triad

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



38.8734, 0.2561, 0.3153



38.8734, 0.3210, 0.2900



38.8734, 0.3618, 0.3819

# Complementary

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



38.8734, 0.2561, 0.3153



25.4157, 0.4071, 0.3419

# 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.



38.8734, 0.3762, 0.3634



38.8734, 0.2561, 0.3153



38.8734, 0.3521, 0.3115

# Square

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



38.8734, 0.2561, 0.3153



38.8734, 0.2890, 0.2776



38.8734, 0.3728, 0.3378



38.8734, 0.3344, 0.3863



# Rectangle

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



38.8734, 0.2561, 0.3153



38.8734, 0.2591, 0.2803



38.8734, 0.3728, 0.3378



38.8734, 0.3684, 0.3770

# Sweetspot

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



38.8749, 0.2561, 0.3153



82.1942, 0.2942, 0.3253



40.3562, 0.3013, 0.4359



17.9506, 0.2923, 0.3248



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.



38.8749, 0.2561, 0.3153



66.5161, 0.2461, 0.3119



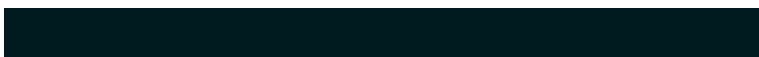
26.0175, 0.2469, 0.2554



10.6089, 0.2985, 0.3262



20.9794, 0.2142, 0.2912



0.8776, 0.2170, 0.3011



# Inverse Universe

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



25.3755, 0.3272, 0.2419



39.4542, 0.3310, 0.2244



36.2749, 0.3861, 0.3925



9.6760, 0.3155, 0.3090



9.1476, 0.3532, 0.1720

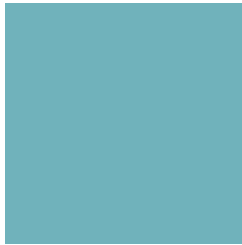


0.3639, 0.3445, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 38.8734, 0.2561, 0.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

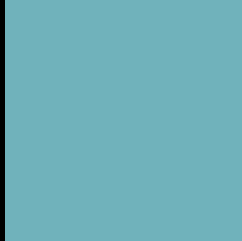
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.8734, 0.2561, 0.3153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

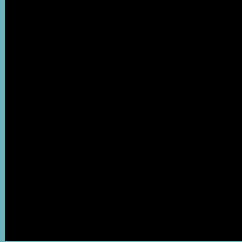
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.8734, 0.2561, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.8734, 0.2561, 0.3153.

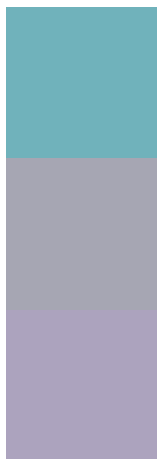


This preview shows how white text looks on a background with the Yxy color 38.8734, 0.2561, 0.3153.

# 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

38.8734, 0.2561, 0.3153

### Protanopia

38.6341, 0.3018, 0.3109

### Deuteranopia

38.6827, 0.2981, 0.2926



## Tritanopia

38.7608, 0.2534, 0.3065

# Trichromacy



## Original Color

38.8734, 0.2561, 0.3153

## Protanomaly

38.2378, 0.2825, 0.3116

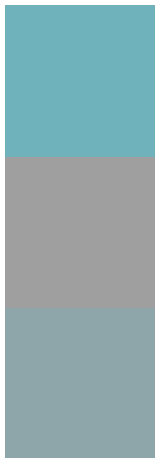
## Deuteranomaly

38.1634, 0.2804, 0.2992

## Tritanomaly

38.6727, 0.2546, 0.3094

# Monochromacy



## Original Color

38.8734, 0.2561, 0.3153

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

35.8878, 0.2889, 0.3244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8734, 0.2561, 0.3153 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(112, 178, 187)` looks like.

```
.text, #text, p{  
    color:rgb(112, 178, 187)  
}
```

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(112, 178, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 178, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8734, 0.2561, 0.3153 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(112, 178, 187) }
```

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

```
.border{ border-color:rgb(112, 178, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 178, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 178, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 178, 187);  
box-shadow:4px 4px 4px 4px rgb(112, 178,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.8734, 0.2561, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 178, 187) }
```

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

```
.background{ background-color: rgb(112,  
178, 187) }
```

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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