

# Converting Colors

Yxy(38.9134, 0.2146, 0.2723)

Have a look what the booklet for  
Yxy(38.9134, 0.2146, 0.2723)  
contains.

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# Color

**Yxy(38.8434, 0.2143, 0.2714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30B5DC
RGB	48, 181, 220
RGB Percent	19%, 71%, 86%
CMY	0.8109, 0.2902, 0.1372
CMYK	0.78, 0.18, 0.00, 0.14
HSL	194°, 71%, 53%
HSV	194°, 78%, 86%
XYZ	30.6711, 38.8434, 73.6078
YIQ	145.6790, -91.7870, -16.0670

# Conversions

## Conversions Part 2

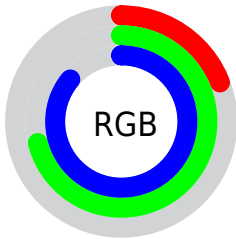
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 123, 220
Decimal	3192284
CIE <sub>Lab</sub>	68.64, -21.87, -29.60
CIE <sub>LCh</sub>	69, 36.803, 233.550
Yxy	38.8434, 0.2143, 0.2714
Android (android.graphics.Color)	4281382364 (0xFF30B5DC)
YUV	145.6790, 36.6403, -85.6645
Hunter-Lab	62.3245, -21.2244, -26.3968

# Details

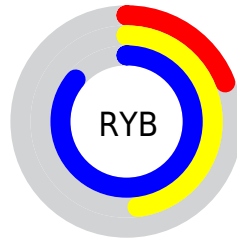
The Yxy color **38.8434, 0.2143, 0.2714** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **22.2946, 0.5477, 0.3646**, and the grayscale version is **28.5089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8533, 0.2407, 0.3076**, and **18.1550, 0.2044, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **36.4366, 0.2084, 0.2630**, and if you desaturate by 10%, it is **41.5913, 0.2222, 0.2798**.

# Distribution



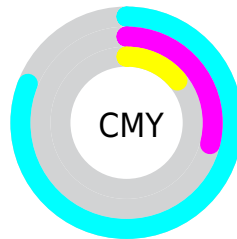
- Red (19%)
- Green (71%)
- Blue (86%)



- Red (19%)
- Yellow (48%)
- Blue (86%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)




- Cyan (81%)
- Magenta (29%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8434, 0.2143, 0.2714 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 38.8434, 0.2143, 0.2714 by changing the saturation by 10% instead.





 38.8434, 0.2143,  
0.2714


 38.8434, 0.2143,  
0.2714


341.2242, 0.2626,  
0.3019

 26.6379, 0.2027,  
0.2634


 73.3990, 0.2315,  
0.2828


 17.3015, 0.1882,  
0.2531


 96.5180, 0.2381,  
0.2870


 10.4497, 0.1697,  
0.2392


 124.0435, 0.2437,  
0.2905

 5.6981, 0.1454,  
0.2197

 156.3601, 0.2486,  
0.2934

 2.6624, 0.1129,  
0.1910

 193.8520, 0.2528,  
0.2960

 0.9581, 0.0583,  
0.1490

236.9038, 0.2565,

 0.0000, 0.0000,

0.2982

0.0000

285.8997, 0.2597,  
0.3002

■ 38.8434, 0.2143,  
0.2714

■ 38.8434, 0.2143,  
0.2714

■ 36.4366, 0.2084,  
0.2630

■ 41.5913, 0.2222,  
0.2798

■ 34.3167, 0.2043,  
0.2547

■ 44.7115, 0.2319,  
0.2882

■ 33.9282, 0.2036,  
0.2531

■ 48.2353, 0.2434,  
0.2963

■ 52.1894, 0.2563,  
0.3040

■ 56.5978, 0.2703,  
0.3113

■ 61.4824, 0.2851,  
0.3181

■ 66.8636, 0.3003,  
0.3244

■ 72.7606, 0.3157,  
0.3300

■ 79.1913, 0.3310,  
0.3351

# Harmonies

## Analogous

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



38.8434, 0.2246, 0.3162



38.8434, 0.2143, 0.2714



38.8434, 0.2269, 0.2470

# Triad

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



38.8434, 0.2143, 0.2714



38.8434, 0.3669, 0.2899



38.8434, 0.3598, 0.4283

# Complementary

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



38.8434, 0.2143, 0.2714



22.2946, 0.5477, 0.3646

# 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.



38.8434, 0.4027, 0.4096



38.8434, 0.2143, 0.2714



38.8434, 0.4089, 0.3299

# Square

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



38.8434, 0.2143, 0.2714



38.8434, 0.3115, 0.2593



38.8434, 0.4218, 0.3727



38.8434, 0.3064, 0.4156



# Rectangle

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



38.8434, 0.2143, 0.2714



38.8434, 0.2473, 0.2426



38.8434, 0.4218, 0.3727



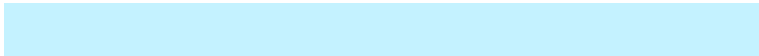
38.8434, 0.3760, 0.4250

# Sweetspot

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



38.8448, 0.2143, 0.2714



82.3122, 0.2774, 0.3147



52.4966, 0.2898, 0.5340



17.0965, 0.2721, 0.3122



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

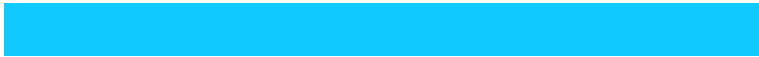


# Same Dimension

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



38.8448, 0.2143, 0.2714



48.8790, 0.2055, 0.2574



14.3343, 0.1801, 0.1402



14.3016, 0.2982, 0.3236



20.0820, 0.2040, 0.2544



1.4264, 0.2078, 0.2679



# Inverse Universe

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



20.6878, 0.3698, 0.1965



25.8052, 0.3847, 0.1913



44.6929, 0.4538, 0.4538



13.2216, 0.3172, 0.3111



10.6511, 0.3879, 0.1911



0.7027, 0.3748, 0.1838



# Previews

## White Background



This preview shows how the Yxy color 38.8434, 0.2143, 0.2714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

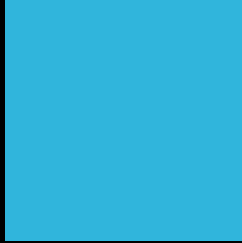
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.8434, 0.2143, 0.2714 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 38.8434, 0.2143, 0.2714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.8434, 0.2143, 0.2714.

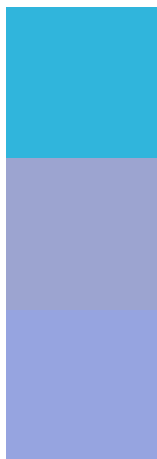


This preview shows how white text looks on a background with the Yxy color 38.8434, 0.2143, 0.2714.

# 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

38.8434, 0.2143, 0.2714

### Protanopia

38.1729, 0.2710, 0.2697

### Deuteranopia

38.4168, 0.2559, 0.2501



## **Tritanopia**

39.0502, 0.2200, 0.3054

# Trichromacy



## Original Color

38.8434, 0.2143, 0.2714



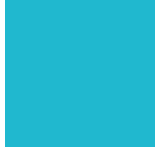
## Protanomaly

37.2848, 0.2424, 0.2690



## Deuteranomaly

37.5879, 0.2342, 0.2551



## Tritanomaly

39.0930, 0.2178, 0.2936

# Monochromacy



## Original Color

38.8434, 0.2143, 0.2714



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

31.1284, 0.2594, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8434, 0.2143, 0.2714 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(48, 181, 220)` looks like.

```
.text, #text, p{  
    color:rgb(48, 181, 220)  
}
```

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(48, 181, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 181, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8434, 0.2143, 0.2714 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(48, 181, 220) }
```

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

```
.border{ border-color:rgb(48, 181, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 181, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 181, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 181, 220);  
box-shadow:4px 4px 4px 4px rgb(48, 181,  
220) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 38.8434, 0.2143, 0.2714$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 181, 220) }
```

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

```
.background{ background-color: rgb(48, 181,  
220) }
```

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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