

# Converting Colors

$Yxy(51.1016, 0.2624, 0.3398)$

Have a look what the booklet for  
Yxy(51.1016, 0.2624, 0.3398)  
contains.

<b>Yxy(51.3088, 0.2623, 0.3399)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(51.3088, 0.2623, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACCC4
RGB	122, 204, 196
RGB Percent	48%, 80%, 77%
CMY	0.5211, 0.2001, 0.2313
CMYK	0.40, 0.00, 0.04, 0.20
HSL	174°, 45%, 64%
HSV	174°, 40%, 80%
XYZ	39.5949, 51.3088, 60.0490
YIQ	178.5700, -46.3040, -19.8720

# Conversions

## Conversions Part 2

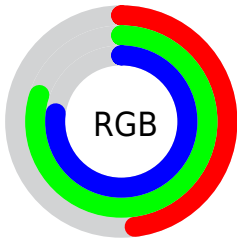
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 165, 204
Decimal	8047812
CIELab	76.87, -26.86, -3.90
CIELCh	77, 27.140, 188.262
Yxy	51.3088, 0.2623, 0.3399
Android (android.graphics.Color)	4286237892 (0xFF7ACCC4)
YUV	178.5700, 8.5930, -49.6119
Hunter-Lab	71.6302, -26.6837, 0.4372

# Details

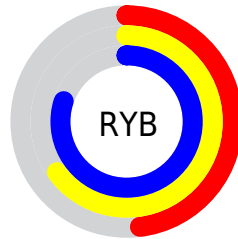
The Yxy color **51.3088, 0.2623, 0.3399** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3949, 0.4033, 0.3189**, and the grayscale version is **44.8244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0768, 0.2700, 0.3310**, and **24.6061, 0.2487, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **49.8833, 0.2529, 0.3431**, and if you desaturate by 10%, it is **53.0521, 0.2732, 0.3369**.

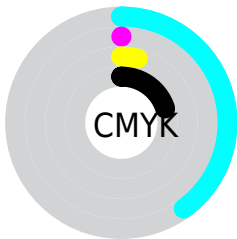
# Distribution



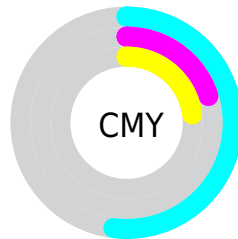
- Red (48%)
- Green (80%)
- Blue (77%)



- Red (48%)
- Yellow (65%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3088, 0.2623, 0.3399 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 51.3088, 0.2623, 0.3399 by changing the saturation by 10% instead.




 51.3088, 0.2623,  
0.3399

 51.3088, 0.2623,  
0.3399


391.7624, 0.2868,  
0.3349

 36.4544, 0.2564,  
0.3410


 92.1111, 0.2711,  
0.3382

 24.7854, 0.2489,  
0.3424


 118.8277, 0.2744,  
0.3375

 15.9172, 0.2392,  
0.3442


 150.2673, 0.2772,  
0.3369

 9.4656, 0.2260,  
0.3464

186.8142, 0.2797,  
0.3364

 5.0461, 0.2072,  
0.3492

228.8527, 0.2818,  
0.3359

 2.2743, 0.1784,  
0.3527

276.7673, 0.2837,

 0.7601, 0.0345,

0.3355

0.3931

330.9424, 0.2854,  
0.3352

0.0000, 0.0000,  
0.0000

51.3088, 0.2623,  
0.3399

51.3088, 0.2623,  
0.3399

49.8833, 0.2529,  
0.3431

53.0521, 0.2732,  
0.3369

48.7499, 0.2453,  
0.3463

55.1252, 0.2854,  
0.3341

47.8887, 0.2396,  
0.3497

57.5467, 0.2986,  
0.3314


47.2745, 0.2357,  
0.3530

60.3322, 0.3125,  
0.3290

46.8779, 0.2338,  
0.3563


63.4962, 0.3269,  
0.3269

 46.6452, 0.2332,  
0.3596

 67.0525, 0.3414,  
0.3249

 69.0882, 0.3481,  
0.3230

 69.1878, 0.3466,  
0.3210

 69.2886, 0.3451,  
0.3190

# Harmonies

## Analogous

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



51.3088, 0.2920, 0.3734



51.3088, 0.2623, 0.3399



51.3088, 0.2463, 0.3053

# Triad

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



51.3088, 0.2623, 0.3399



51.3088, 0.2939, 0.2733



51.3088, 0.3827, 0.3738

# Complementary

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



51.3088, 0.2623, 0.3399



28.3949, 0.4033, 0.3189

# 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.



51.3088, 0.3841, 0.3459



51.3088, 0.2623, 0.3399



51.3088, 0.3310, 0.2900

# Square

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



51.3088, 0.2623, 0.3399



51.3088, 0.2636, 0.2694



51.3088, 0.3648, 0.3158



51.3088, 0.3619, 0.3921



# Rectangle

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



51.3088, 0.2623, 0.3399



51.3088, 0.2447, 0.2871



51.3088, 0.3648, 0.3158



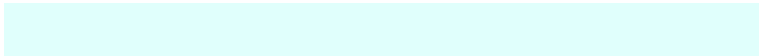
51.3088, 0.3856, 0.3652

# Sweetspot

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



51.3108, 0.2623, 0.3399



94.4609, 0.2959, 0.3319



49.3563, 0.3127, 0.4492



20.1010, 0.2941, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

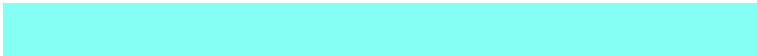


# Same Dimension

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



51.3108, 0.2623, 0.3399



82.9501, 0.2542, 0.3426



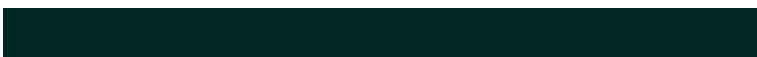
37.7191, 0.2505, 0.2817



12.7075, 0.2996, 0.3312



29.3712, 0.2331, 0.3591



1.5208, 0.2313, 0.3526



# Inverse Universe

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



28.3949, 0.4033, 0.3189



39.9552, 0.4336, 0.3170



37.6391, 0.3958, 0.3714



11.2311, 0.3275, 0.3268



8.1178, 0.6278, 0.3232

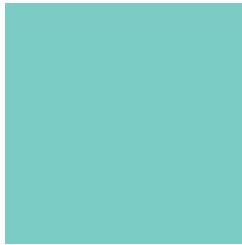


0.4250, 0.5924, 0.3037



# Previews

## White Background



This preview shows how the Yxy color 51.3088, 0.2623, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

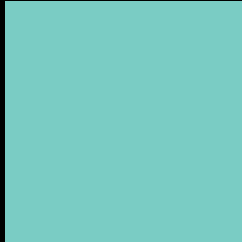
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3088, 0.2623, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

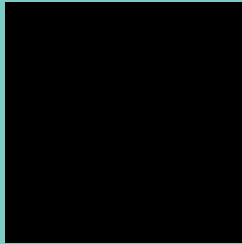
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

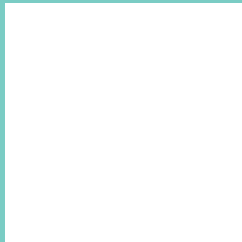
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3088, 0.2623, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3088, 0.2623, 0.3399.

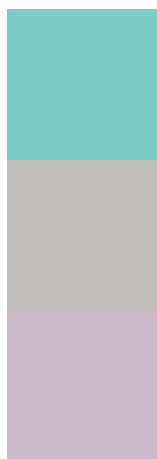


This preview shows how white text looks on a background with the Yxy color 51.3088, 0.2623, 0.3399.

# 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

51.3088, 0.2623, 0.3399

### Protanopia

50.7608, 0.3168, 0.3303

### Deuteranopia

50.5937, 0.3154, 0.3085



## Tritanopia

51.3722, 0.2533, 0.3076

# Trichromacy



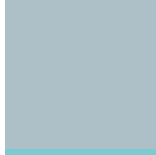
## Original Color

51.3088, 0.2623, 0.3399



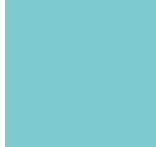
## Protanomaly

50.5168, 0.2945, 0.3342



## Deuteranomaly

50.2694, 0.2927, 0.3187



## Tritanomaly

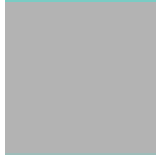
51.2801, 0.2568, 0.3194

# Monochromacy



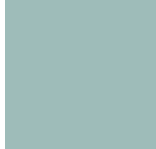
## Original Color

51.3088, 0.2623, 0.3399



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

46.7383, 0.2910, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  51.3088, 0.2623, 0.3399 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(122, 204, 196)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 196)  
}
```

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(122, 204, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3088, 0.2623, 0.3399 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(122, 204, 196) }
```

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

```
.border{ border-color:rgb(122, 204, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 204, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 204, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 204, 196); box-shadow:4px 4px 4px 4px rgb(122, 204, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3088, 0.2623, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 196) }
```

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

```
.background{ background-color: rgb(122,  
204, 196) }
```

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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