

# Converting Colors

$Yxy(51.2463, 0.2504, 0.3225)$

Have a look what the booklet for  
Yxy(51.2463, 0.2504, 0.3225)  
contains.

<b>Yxy(51.2339, 0.2500, 0.3220)</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(51.2339, 0.2500, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70CCD1
RGB	112, 204, 209
RGB Percent	44%, 80%, 82%
CMY	0.5609, 0.2000, 0.1805
CMYK	0.46, 0.02, 0.00, 0.18
HSL	183°, 51%, 63%
HSV	183°, 46%, 82%
XYZ	39.7779, 51.2339, 68.0997
YIQ	177.0620, -56.4370, -17.9490

# Conversions

## Conversions Part 2

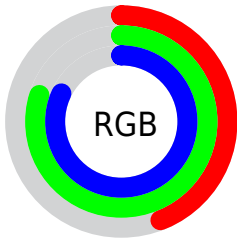
Format	Color
<a href="#">RYB</a>	<a href="#">112, 159, 209</a>
Decimal	<a href="#">7392465</a>
CIELab	<a href="#">76.82, -26.09, -11.00</a>
CIELCh	<a href="#">77, 28.314, 202.867</a>
Yxy	<a href="#">51.2339, 0.2500, 0.3220</a>
Android (android.graphics.Color)	<a href="#">4285582545 (0xFF70CCD1)</a>
YUV	<a href="#">177.0620, 15.7454, -57.0594</a>
Hunter-Lab	<a href="#">71.5779, -26.0637, -6.3045</a>

# Details

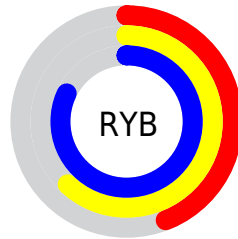
The Yxy color **51.2339, 0.2500, 0.3220** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.4290, 0.4351, 0.3356**, and the grayscale version is **43.9350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **24.9093, 0.2338, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **49.5139, 0.2404, 0.3203**, and if you desaturate by 10%, it is **53.2794, 0.2613, 0.3237**.

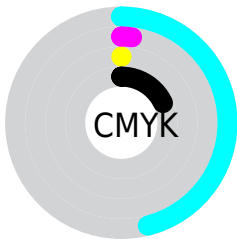
# Distribution



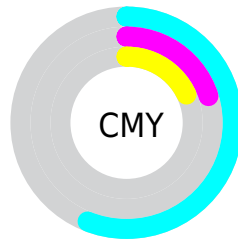
- Red (44%)
- Green (80%)
- Blue (82%)



- Red (44%)
- Yellow (62%)
- Blue (82%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)




- Cyan (56%)
- Magenta (20%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2339, 0.2500, 0.3220 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 51.2339, 0.2500, 0.3220 by changing the saturation by 10% instead.




 51.2339, 0.2500,  
0.3220

 51.2339, 0.2500,  
0.3220


391.4719, 0.2802,  
0.3262


 36.3948, 0.2428,  
0.3208

 92.0004, 0.2607,  
0.3236

 24.7393, 0.2338,  
0.3191


 118.6966, 0.2648,  
0.3242

 15.8829, 0.2222,  
0.3168


 150.1140, 0.2683,  
0.3247

 9.4413, 0.2066,  
0.3132

186.6369, 0.2713,  
0.3251

 5.0301, 0.1849,  
0.3074

228.6497, 0.2740,  
0.3254

 2.2650, 0.1530,  
0.2966

276.5369, 0.2763,

 0.7551, 0.0314,

0.3257

0.2935

330.6828, 0.2784,  
0.3259

0.0000, 0.0000,  
0.0000

51.2339, 0.2500,  
0.3220

51.2339, 0.2500,  
0.3220

49.5139, 0.2404,  
0.3203

53.2794, 0.2613,  
0.3237

48.0911, 0.2327,  
0.3186

55.6647, 0.2740,  
0.3253

46.9423, 0.2269,  
0.3168


58.4103, 0.2880,  
0.3268


46.0381, 0.2230,  
0.3151


61.5333, 0.3028,  
0.3282

45.3410, 0.2208,  
0.3134

65.0498, 0.3183,  
0.3294

 45.1171, 0.2202,  
0.3128

 68.9750, 0.3341,  
0.3306

 72.7010, 0.3475,  
0.3317

 73.2363, 0.3473,  
0.3328

 73.7750, 0.3471,  
0.3338

# Harmonies

## Analogous

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



51.2339, 0.2746, 0.3594



51.2339, 0.2500, 0.3220



51.2339, 0.2416, 0.2897

# Triad

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



51.2339, 0.2500, 0.3220



51.2339, 0.3115, 0.2780



51.2339, 0.3773, 0.3867

# Complementary

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



51.2339, 0.2500, 0.3220



27.4290, 0.4351, 0.3356

# 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.



51.2339, 0.3894, 0.3613



51.2339, 0.2500, 0.3220



51.2339, 0.3502, 0.3005

# Square

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



51.2339, 0.2500, 0.3220



51.2339, 0.2754, 0.2671



51.2339, 0.3794, 0.3302



51.2339, 0.3479, 0.3980



# Rectangle

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



51.2339, 0.2500, 0.3220



51.2339, 0.2457, 0.2753



51.2339, 0.3794, 0.3302



51.2339, 0.3836, 0.3794

# Sweetspot

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



51.2359, 0.2500, 0.3220



92.6857, 0.2913, 0.3271



50.3133, 0.3032, 0.4669



19.6205, 0.2881, 0.3268



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.



51.2359, 0.2500, 0.3220



77.6202, 0.2402, 0.3203



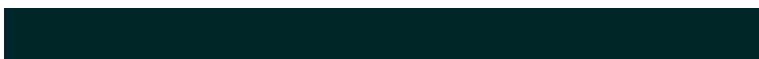
31.6955, 0.2371, 0.2505



13.2990, 0.2983, 0.3278



27.8694, 0.2203, 0.3131



1.5908, 0.2212, 0.3162



# Inverse Universe

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



29.4936, 0.3231, 0.2217



39.6504, 0.3256, 0.2018



41.7486, 0.4046, 0.3953



11.9982, 0.3146, 0.3072



10.8847, 0.3341, 0.1614

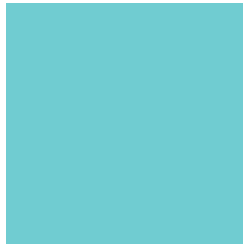


0.6119, 0.3314, 0.1599



# Previews

## White Background



This preview shows how the Yxy color 51.2339, 0.2500, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

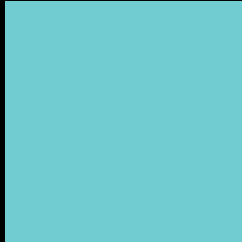
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2339, 0.2500, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

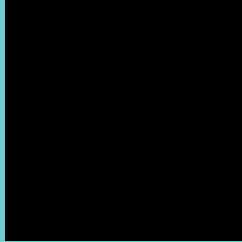
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.2339, 0.2500, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2339, 0.2500, 0.3220.

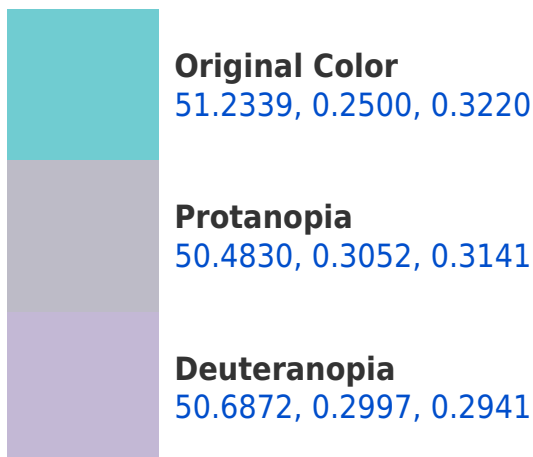


This preview shows how white text looks on a background with the Yxy color 51.2339, 0.2500, 0.3220.

# 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





## Tritanopia

51.0004, 0.2458, 0.3060

# Trichromacy



**Original Color**

51.2339, 0.2500, 0.3220

**Protanomaly**

50.0288, 0.2813, 0.3159

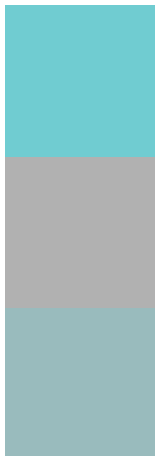
**Deuteranomaly**

50.0144, 0.2780, 0.3021

**Tritanomaly**

51.1956, 0.2476, 0.3126

# Monochromacy



**Original Color**

51.2339, 0.2500, 0.3220

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.9871, 0.2844, 0.3262

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2339, 0.2500, 0.3220 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, 204, 209)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 209)  
}
```

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, 204, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2339, 0.2500, 0.3220 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, 204, 209) }
```

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

```
.border{ border-color:rgb(112, 204, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 204, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 209);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2339, 0.2500, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 209) }
```

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

```
.background{ background-color: rgb(112,  
204, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor