

# Converting Colors

$Yxy(51.2923, 0.2490, 0.3367)$

Have a look what the booklet for  
Yxy(51.2923, 0.2490, 0.3367)  
contains.

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# Color

**Yxy(51.4953, 0.2489, 0.3373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63CFC9
RGB	99, 207, 201
RGB Percent	39%, 81%, 79%
CMY	0.6117, 0.1882, 0.2119
CMYK	0.52, 0.00, 0.03, 0.19
HSL	177°, 53%, 60%
HSV	177°, 52%, 81%
XYZ	37.9993, 51.4953, 63.1745
YIQ	174.0240, -62.4420, -24.7620

# Conversions

## Conversions Part 2

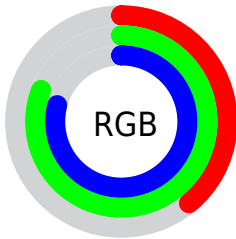
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 155, 207
Decimal	6541257
CIELab	76.98, -32.43, -6.50
CIElCh	77, 33.073, 191.341
Yxy	51.4953, 0.2489, 0.3373
Android (android.graphics.Color)	4284731337 (0xFF63CFC9)
YUV	174.0240, 13.2992, -65.7960
Hunter-Lab	71.7602, -31.0589, -1.9641

# Details

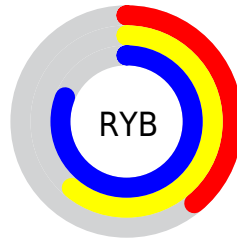
The Yxy color **51.4953, 0.2489, 0.3373** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2153, 0.4542, 0.3220**, and the grayscale version is **42.2976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **24.8391, 0.2321, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **50.4225, 0.2414, 0.3391**, and if you desaturate by 10%, it is **52.8713, 0.2583, 0.3355**.

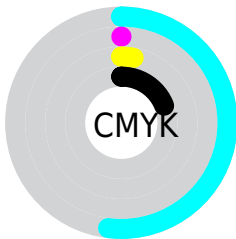
# Distribution



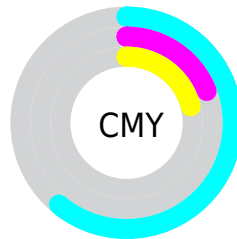
- Red (39%)
- Green (81%)
- Blue (79%)



- Red (39%)
- Yellow (61%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)




- Cyan (61%)
- Magenta (19%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4953, 0.2489, 0.3373 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 51.4953, 0.2489, 0.3373 by changing the saturation by 10% instead.





 51.4953, 0.2489,  
0.3373


 51.4953, 0.2489,  
0.3373


392.4851, 0.2797,  
0.3338

 36.6029, 0.2415,  
0.3380


 92.3865, 0.2599,  
0.3362

 24.9002, 0.2323,  
0.3387


 119.1541, 0.2640,  
0.3357

 16.0027, 0.2203,  
0.3395


 150.6489, 0.2676,  
0.3353

 9.5261, 0.2043,  
0.3403

 187.2554, 0.2707,  
0.3350

 5.0859, 0.1818,  
0.3407

229.3578, 0.2734,  
0.3346

 2.2977, 0.1485,  
0.3397

277.3407, 0.2758,

 0.7725, 0.0000,

0.3343

331.5883, 0.2779,  
0.3341

0.3665

0.0000, 0.0000,  
0.0000

51.4953, 0.2489,  
0.3373

51.4953, 0.2489,  
0.3373

50.4225, 0.2414,  
0.3391

52.8713, 0.2583,  
0.3355

49.6235, 0.2357,  
0.3410

54.5654, 0.2693,  
0.3338

49.0737, 0.2320,  
0.3429

56.5986, 0.2816,  
0.3322

48.7409, 0.2301,  
0.3447

58.9882, 0.2952,  
0.3307

48.5875, 0.2295,  
0.3461

61.7507, 0.3095,  
0.3293

■ 64.9014, 0.3244,  
0.3280

■ 68.4546, 0.3396,  
0.3269

■ 70.5522, 0.3473,  
0.3258

■ 70.6102, 0.3465,  
0.3246

# Harmonies

## Analogous

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



51.4953, 0.2829, 0.3800



51.4953, 0.2489, 0.3373



51.4953, 0.2320, 0.2957

# Triad

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



51.4953, 0.2489, 0.3373



51.4953, 0.2939, 0.2637



51.4953, 0.3961, 0.3854

# Complementary

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



51.4953, 0.2489, 0.3373



23.2153, 0.4542, 0.3220

# 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.



51.4953, 0.4008, 0.3521



51.4953, 0.2489, 0.3373



51.4953, 0.3394, 0.2849

# Square

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



51.4953, 0.2489, 0.3373



51.4953, 0.2564, 0.2571



51.4953, 0.3796, 0.3163



51.4953, 0.3682, 0.4069



# Rectangle

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



51.4953, 0.2489, 0.3373



51.4953, 0.2316, 0.2750



51.4953, 0.3796, 0.3163



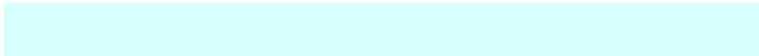
51.4953, 0.4006, 0.3751

# Sweetspot

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



51.4973, 0.2489, 0.3373



92.9202, 0.2896, 0.3313



48.6069, 0.3093, 0.4923



19.7182, 0.2868, 0.3316



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.



51.4973, 0.2489, 0.3373



80.5732, 0.2403, 0.3394



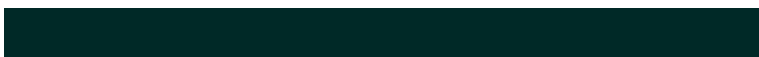
32.3745, 0.2319, 0.2587



13.3952, 0.2990, 0.3303



30.6156, 0.2294, 0.3459



1.7154, 0.2285, 0.3425



# Inverse Universe

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



23.2153, 0.4542, 0.3220



30.3137, 0.5062, 0.3214



34.6681, 0.4277, 0.3878



11.8188, 0.3282, 0.3277



8.3784, 0.6335, 0.3264

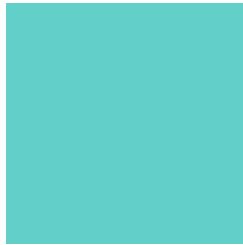


0.4723, 0.6129, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 51.4953, 0.2489, 0.3373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

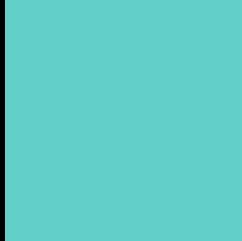
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4953, 0.2489, 0.3373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

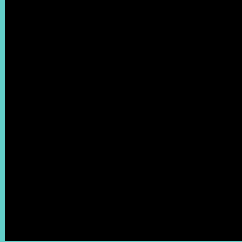
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

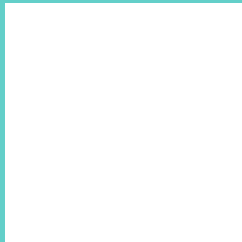
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4953, 0.2489, 0.3373**

## Background



This preview shows how black text looks on a background with the Yxy color 51.4953, 0.2489, 0.3373.

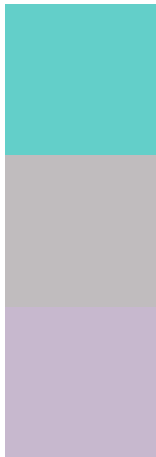


This preview shows how white text looks on a background with the Yxy color 51.4953, 0.2489, 0.3373.

# 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**

51.4953, 0.2489, 0.3373

**Protanopia**

50.8906, 0.3145, 0.3265

**Deuteranopia**

50.8793, 0.3082, 0.3025



## Tritanopia

51.4704, 0.2412, 0.3059

# Trichromacy



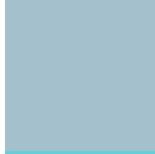
## Original Color

51.4953, 0.2489, 0.3373



## Protanomaly

50.1944, 0.2852, 0.3302



## Deuteranomaly

49.8454, 0.2819, 0.3133



## Tritanomaly

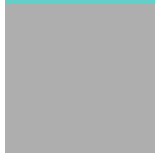
51.4012, 0.2436, 0.3165

# Monochromacy



## Original Color

51.4953, 0.2489, 0.3373



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.7815, 0.2833, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4953, 0.2489, 0.3373 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(99, 207, 201)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 201)  
}
```

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(99, 207, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4953, 0.2489, 0.3373 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(99, 207, 201) }
```

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

```
.border{ border-color:rgb(99, 207, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 201);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4953, 0.2489, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 201) }
```

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

```
.background{ background-color: rgb(99, 207,  
201) }
```

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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