

# Converting Colors

$Yxy(53.4739, 0.2437, 0.3288)$

Have a look what the booklet for  
Yxy(53.4739, 0.2437, 0.3288)  
contains.

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# Color

**Yxy(53.2331, 0.2440, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60D2D2
RGB	96, 210, 210
RGB Percent	38%, 82%, 82%
CMY	0.6235, 0.1765, 0.1765
CMYK	0.54, 0.00, 0.00, 0.18
HSL	180°, 56%, 60%
HSV	180°, 54%, 82%
XYZ	39.5039, 53.2331, 69.1642
YIQ	175.9140, -67.9440, -24.1680

# Conversions

## Conversions Part 2

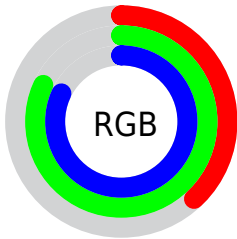
Format	Color
<a href="#">RYB</a>	<a href="#">96, 153, 210</a>
Decimal	<a href="#">6345426</a>
CIELab	<a href="#">78.01, -32.09, -9.83</a>
CIElCh	<a href="#">78, 33.560, 197.039</a>
Yxy	<a href="#">53.2331, 0.2440, 0.3288</a>
Android (android.graphics.Color)	<a href="#">4284535506 (0xFF60D2D2)</a>
YUV	<a href="#">175.9140, 16.8044, -70.0846</a>
Hunter-Lab	<a href="#">72.9610, -31.0351, -5.1319</a>

# Details

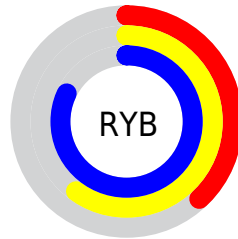
The Yxy color **53.2331, 0.2440, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.9155, 0.4727, 0.3295**, and the grayscale version is **43.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **25.9814, 0.2263, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **52.2439, 0.2365, 0.3288**, and if you desaturate by 10%, it is **54.5305, 0.2534, 0.3288**.

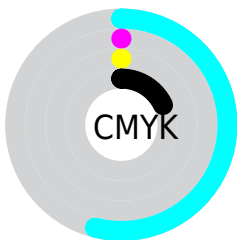
# Distribution



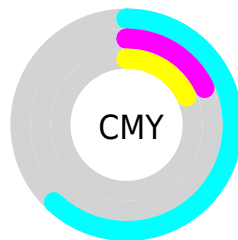
- Red (38%)
- Green (82%)
- Blue (82%)



- Red (38%)
- Yellow (60%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2331, 0.2440, 0.3288 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 53.2331, 0.2440, 0.3288 by changing the saturation by 10% instead.




 53.2331, 0.2440,  
0.3288


 53.2331, 0.2440,  
0.3288


399.1788, 0.2769,  
0.3297


 37.9889, 0.2363,  
0.3284


 94.9473, 0.2556,  
0.3293


 25.9741, 0.2266,  
0.3277


 122.1860, 0.2601,  
0.3294

 16.8042, 0.2142,  
0.3265


 154.1918, 0.2639,  
0.3295

 10.0950, 0.1977,  
0.3246

 191.3489, 0.2672,  
0.3296

 5.4620, 0.1750,  
0.3211

234.0417, 0.2700,  
0.3296

 2.5208, 0.1422,  
0.3138

282.6547, 0.2726,

 0.8870, 0.0215,

0.3297

0.3194

337.5723, 0.2748,  
0.3297

0.0000, 0.0000,  
0.0000

53.2331, 0.2440,  
0.3288

53.2331, 0.2440,  
0.3288

52.2439, 0.2365,  
0.3288

54.5305, 0.2534,  
0.3288

51.5321, 0.2310,  
0.3288

56.1522, 0.2645,  
0.3289

51.0710, 0.2273,  
0.3288

58.1202, 0.2772,  
0.3289

50.8256, 0.2253,  
0.3288

60.4529, 0.2911,  
0.3289

50.7473, 0.2247,  
0.3287

63.1675, 0.3061,  
0.3290

■ 66.2800, 0.3217,  
0.3290

■ 69.8055, 0.3378,  
0.3291

■ 72.0077, 0.3470,  
0.3291

■ 72.0078, 0.3470,  
0.3291

# Harmonies

## Analogous

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



53.2331, 0.2753, 0.3728



53.2331, 0.2440, 0.3288



53.2331, 0.2307, 0.2889

# Triad

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



53.2331, 0.2440, 0.3288



53.2331, 0.3022, 0.2665



53.2331, 0.3926, 0.3909

# Complementary

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



53.2331, 0.2440, 0.3288



22.9155, 0.4727, 0.3295

# 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.



53.2331, 0.4023, 0.3590



53.2331, 0.2440, 0.3288



53.2331, 0.3480, 0.2901

# Square

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



53.2331, 0.2440, 0.3288



53.2331, 0.2623, 0.2569



53.2331, 0.3857, 0.3229



53.2331, 0.3612, 0.4090



# Rectangle

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



53.2331, 0.2440, 0.3288



53.2331, 0.2328, 0.2703



53.2331, 0.3857, 0.3229



53.2331, 0.3986, 0.3813

# Sweetspot

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



53.2351, 0.2440, 0.3288



93.0662, 0.2884, 0.3289



49.5312, 0.3057, 0.5015



19.7534, 0.2854, 0.3289



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.



53.2351, 0.2440, 0.3288



80.8759, 0.2356, 0.3288



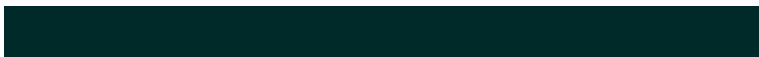
30.5533, 0.2269, 0.2462



13.4071, 0.2983, 0.3290



30.9543, 0.2247, 0.3287



1.7308, 0.2247, 0.3287



# Inverse Universe

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



22.9155, 0.4727, 0.3295



29.1720, 0.5271, 0.3296



36.7152, 0.4298, 0.3967



11.8083, 0.3291, 0.3290



8.3578, 0.6401, 0.3300

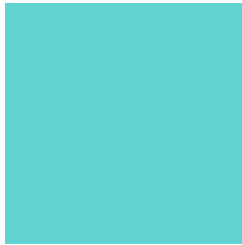


0.4673, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 53.2331, 0.2440, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

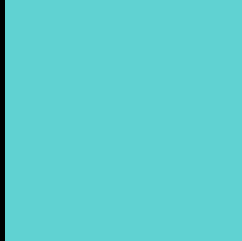
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2331, 0.2440, 0.3288 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

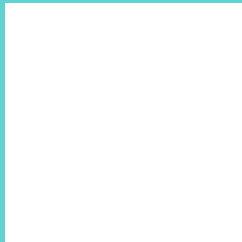
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.2331, 0.2440, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2331, 0.2440, 0.3288.

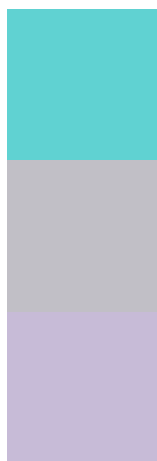


This preview shows how white text looks on a background with the Yxy color 53.2331, 0.2440, 0.3288.

# 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

53.2331, 0.2440, 0.3288

### Protanopia

52.6763, 0.3091, 0.3204

### Deuteranopia

52.5891, 0.3014, 0.2958



## Tritanopia

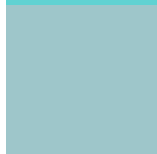
53.3728, 0.2388, 0.3061

# Trichromacy



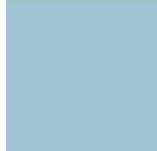
## Original Color

53.2331, 0.2440, 0.3288



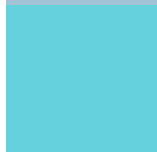
## Protanomaly

51.9215, 0.2803, 0.3237



## Deuteranomaly

51.5157, 0.2757, 0.3059



## Tritanomaly

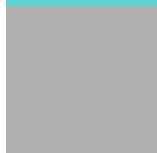
53.4776, 0.2406, 0.3140

# Monochromacy



## Original Color

53.2331, 0.2440, 0.3288



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.8003, 0.2807, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2331, 0.2440, 0.3288 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(96, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 210)  
}
```

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(96, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2331, 0.2440, 0.3288 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(96, 210, 210) }
```

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

```
.border{ border-color:rgb(96, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2331, 0.2440, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 210) }
```

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

```
.background{ background-color: rgb(96, 210,  
210) }
```

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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