

# Converting Colors

$Y_{xy}(44.3995, 0.2335, 0.3070)$

Have a look what the booklet for  
Yxy(44.3995, 0.2335, 0.3070)  
contains.

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# Color

**Yxy(44.3995, 0.2335, 0.3070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50C1D0
RGB	80, 193, 208
RGB Percent	31%, 76%, 82%
CMY	0.6858, 0.2432, 0.1844
CMYK	0.61, 0.07, 0.00, 0.18
HSL	187°, 58%, 56%
HSV	187°, 61%, 82%
XYZ	33.7697, 44.3995, 66.4546
YIQ	160.9230, -72.1630, -19.2910

# Conversions

## Conversions Part 2

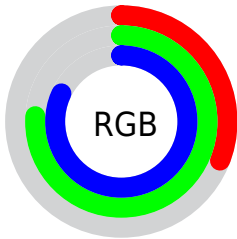
Format	Color
<a href="#">RYB</a>	<a href="#">80, 140, 208</a>
Decimal	<a href="#">5292496</a>
CIELab	<a href="#">72.49, -27.31, -17.07</a>
CIELCh	<a href="#">72, 32.207, 212.010</a>
Yxy	<a href="#">44.3995, 0.2335, 0.3070</a>
Android (android.graphics.Color)	<a href="#">4283482576 (0xFF50C1D0)</a>
YUV	<a href="#">160.9230, 23.2090, -70.9695</a>
Hunter-Lab	<a href="#">66.6329, -26.1437, -12.4883</a>

# Details

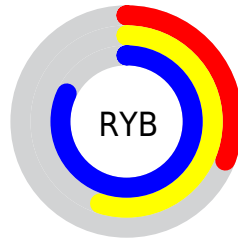
The Yxy color **44.3995, 0.2335, 0.3070** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.1957, 0.4932, 0.3468**, and the grayscale version is **35.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3420, 0.2519, 0.3232**, and **20.7983, 0.2163, 0.2986** is the 20% darker color. If you saturate the color by 10%, you get **42.5605, 0.2259, 0.3029**, and if you desaturate by 10%, it is **46.5399, 0.2430, 0.3110**.

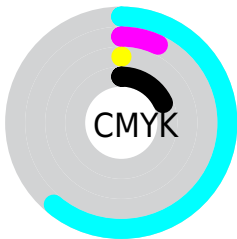
# Distribution



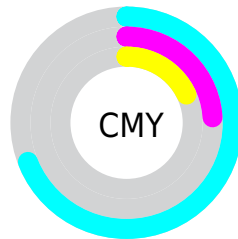
- Red (31%)
- Green (76%)
- Blue (82%)



- Red (31%)
- Yellow (55%)
- Blue (82%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)




- Cyan (69%)
- Magenta (24%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3995, 0.2335, 0.3070 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 44.3995, 0.2335, 0.3070 by changing the saturation by 10% instead.




 44.3995, 0.2335,  
0.3070


 44.3995, 0.2335,  
0.3070

364.3360, 0.2722,  
0.3192


 30.9847, 0.2242,  
0.3036


 81.8186, 0.2473,  
0.3117


 20.5872, 0.2125,  
0.2991


 106.5916, 0.2526,  
0.3134

 12.8226, 0.1974,  
0.2929

 135.9195, 0.2571,  
0.3147

 7.3065, 0.1771,  
0.2836

 170.1867, 0.2609,  
0.3159

 3.6545, 0.1491,  
0.2690

209.7776, 0.2643,  
0.3169

 1.4822, 0.1066,  
0.2438

255.0765, 0.2672,

 0.2762, 0.0000,

0.3178

0.1474

306.4678, 0.2699,  
0.3185

0.0000, 0.0000,  
0.0000

44.3995, 0.2335,  
0.3070

44.3995, 0.2335,  
0.3070

42.5605, 0.2259,  
0.3029

46.5399, 0.2430,  
0.3110

40.9911, 0.2202,  
0.2988

49.0001, 0.2541,  
0.3150

39.6607, 0.2164,  
0.2947

51.8029, 0.2667,  
0.3187

38.6667, 0.2143,  
0.2913

54.9674, 0.2805,  
0.3223

58.5114, 0.2952,  
0.3256

62.4512, 0.3104,  
0.3286

66.8025, 0.3260,  
0.3313

71.5798, 0.3415,  
0.3338

74.3855, 0.3476,  
0.3362

# Harmonies

## Analogous

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



44.3995, 0.2566, 0.3518



44.3995, 0.2335, 0.3070



44.3995, 0.2300, 0.2732

# Triad

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



44.3995, 0.2335, 0.3070



44.3995, 0.3253, 0.2759



44.3995, 0.3803, 0.4037

# Complementary

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



44.3995, 0.2335, 0.3070



22.1957, 0.4932, 0.3468

# 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.



44.3995, 0.4023, 0.3767



44.3995, 0.2335, 0.3070



44.3995, 0.3699, 0.3052

# Square

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



44.3995, 0.2335, 0.3070



44.3995, 0.2802, 0.2585



44.3995, 0.3989, 0.3410



44.3995, 0.3408, 0.4113



# Rectangle

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



44.3995, 0.2335, 0.3070



44.3995, 0.2388, 0.2603



44.3995, 0.3989, 0.3410



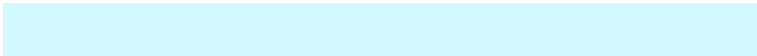
44.3995, 0.3901, 0.3963

# Sweetspot

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



44.4012, 0.2335, 0.3070



88.9236, 0.2852, 0.3234



47.6431, 0.2968, 0.5061



18.6916, 0.2810, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

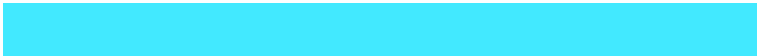


# Same Dimension

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



44.4012, 0.2335, 0.3070



66.5939, 0.2237, 0.3015



22.0024, 0.2104, 0.2051



13.1605, 0.2983, 0.3262



24.1955, 0.2144, 0.2919



1.4214, 0.2165, 0.2993



# Inverse Universe

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



23.0142, 0.3367, 0.2012



31.0674, 0.3428, 0.1839



38.7765, 0.4350, 0.4232



11.9842, 0.3155, 0.3087



10.5138, 0.3526, 0.1716

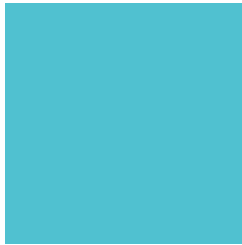


0.5948, 0.3460, 0.1680



# Previews

## White Background



This preview shows how the Yxy color 44.3995, 0.2335, 0.3070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

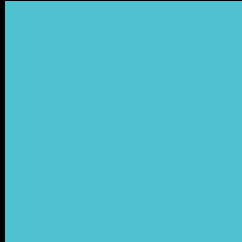
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3995, 0.2335, 0.3070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

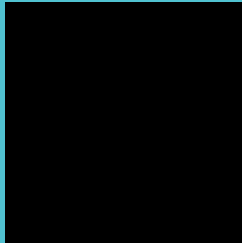
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3995, 0.2335, 0.3070**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3995, 0.2335, 0.3070.

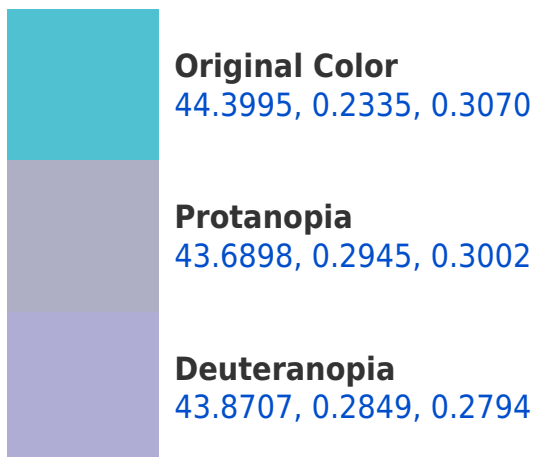


This preview shows how white text looks on a background with the Yxy color 44.3995, 0.2335, 0.3070.

# 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

44.4489, 0.2330, 0.3056

# Trichromacy



**Original Color**

44.3995, 0.2335, 0.3070

**Protanomaly**

43.2484, 0.2665, 0.3026

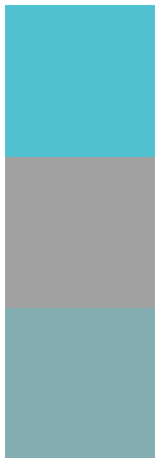
**Deuteranomaly**

43.0084, 0.2605, 0.2868

**Tritanomaly**

44.4489, 0.2330, 0.3056

# Monochromacy



**Original Color**

44.3995, 0.2335, 0.3070

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

38.0070, 0.2748, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3995, 0.2335, 0.3070 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(80, 193, 208)` looks like.

```
.text, #text, p{  
    color:rgb(80, 193, 208)  
}
```

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(80, 193, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 193, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3995, 0.2335, 0.3070 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(80, 193, 208) }
```

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

```
.border{ border-color:rgb(80, 193, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 193, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 193, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 193, 208);  
box-shadow:4px 4px 4px 4px rgb(80, 193,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3995, 0.2335, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 193, 208) }
```

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

```
.background{ background-color: rgb(80, 193,  
208) }
```

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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