

# Converting Colors

$Yxy(40.3669, 0.2356, 0.3202)$

Have a look what the booklet for  
Yxy(40.3669, 0.2356, 0.3202)  
contains.

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# Color

**Yxy(40.2632, 0.2355, 0.3195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47BAC0
RGB	71, 186, 192
RGB Percent	28%, 73%, 75%
CMY	0.7212, 0.2706, 0.2470
CMYK	0.63, 0.03, 0.00, 0.25
HSL	183°, 49%, 52%
HSV	183°, 63%, 75%
XYZ	29.6776, 40.2632, 56.0786
YIQ	152.2990, -70.4660, -22.5140

# Conversions

## Conversions Part 2

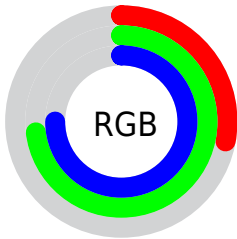
Format	Color
<a href="#">RYB</a>	<a href="#">71, 130, 192</a>
Decimal	<a href="#">4700864</a>
CIELab	<a href="#">69.66, -30.00, -12.63</a>
CIELCh	<a href="#">70, 32.552, 202.833</a>
Yxy	<a href="#">40.2632, 0.2355, 0.3195</a>
Android (android.graphics.Color)	<a href="#">4282890944 (0xFF47BAC0)</a>
YUV	<a href="#">152.2990, 19.5726, -71.2992</a>
Hunter-Lab	<a href="#">63.4533, -27.5575, -7.9819</a>




# Details

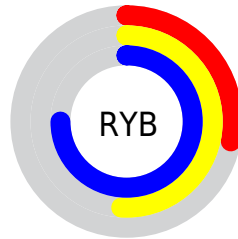
The Yxy color **40.2632, 0.2355, 0.3195** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **16.9874, 0.5064, 0.3368**, and the grayscale version is **31.4844, 0.3127, 0.3290**.




A 20% lighter version of the original color is **75.2681, 0.2495, 0.3218**, and **18.3666, 0.2204, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **39.2478, 0.2290, 0.3178**, and if you desaturate by 10%, it is **41.5137, 0.2439, 0.3212**.

# Distribution







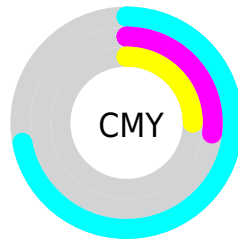
-  Red (28%)
-  Green (73%)
-  Blue (75%)






-  Red (28%)
-  Yellow (51%)
-  Blue (75%)



-  Cyan (63%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (25%)




-  Cyan (72%)
-  Magenta (27%)
-  Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2632, 0.2355, 0.3195 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 40.2632, 0.2355, 0.3195 by changing the saturation by 10% instead.





 40.2632, 0.2355,  
0.3195


 40.2632, 0.2355,  
0.3195


347.2317, 0.2740,  
0.3254


 27.7438, 0.2260,  
0.3176


 75.5641, 0.2494,  
0.3219


 18.1326, 0.2139,  
0.3150


 99.1145, 0.2547,  
0.3228

 11.0453, 0.1980,  
0.3111


 127.1106, 0.2591,  
0.3234

 6.0973, 0.1764,  
0.3049

 159.9369, 0.2629,  
0.3240

 2.9043, 0.1456,  
0.2939

 197.9778, 0.2662,  
0.3244

 1.0820, 0.0733,  
0.2797

241.6176, 0.2692,

 0.0000, 0.0000,

0.3248

0.0000

291.2407, 0.2717,  
0.3252

■ 40.2632, 0.2355,  
0.3195

■ 40.2632, 0.2355,  
0.3195

■ 39.2478, 0.2290,  
0.3178

■ 41.5137, 0.2439,  
0.3212

■ 38.4405, 0.2245,  
0.3162

■ 43.0144, 0.2540,  
0.3228

■ 37.8160, 0.2216,  
0.3145

■ 44.7841, 0.2658,  
0.3244

■ 37.4499, 0.2204,  
0.3134

■ 46.8389, 0.2789,  
0.3259

■ 49.1932, 0.2931,  
0.3273

■ 51.8608, 0.3081,  
0.3286

■ 54.8545, 0.3237,  
0.3298

■ 58.1863, 0.3395,  
0.3309

■ 61.8676, 0.3552,  
0.3319

# Harmonies

## Analogous

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



40.2632, 0.2652, 0.3672



40.2632, 0.2355, 0.3195



40.2632, 0.2256, 0.2797

# Triad

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



40.2632, 0.2355, 0.3195



40.2632, 0.3108, 0.2667



40.2632, 0.3926, 0.3998

# Complementary

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



40.2632, 0.2355, 0.3195



16.9874, 0.5064, 0.3368

# 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.



40.2632, 0.4082, 0.3676



40.2632, 0.2355, 0.3195



40.2632, 0.3591, 0.2938

# Square

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



40.2632, 0.2355, 0.3195



40.2632, 0.2663, 0.2533



40.2632, 0.3960, 0.3296



40.2632, 0.3557, 0.4154



# Rectangle

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



40.2632, 0.2355, 0.3195



40.2632, 0.2305, 0.2625



40.2632, 0.3960, 0.3296



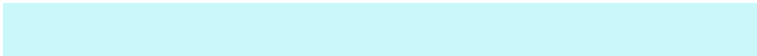
40.2632, 0.4007, 0.3903

# Sweetspot

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



40.2647, 0.2355, 0.3195



86.3628, 0.2840, 0.3264



39.5548, 0.3015, 0.5246



18.2732, 0.2800, 0.3260



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



40.2647, 0.2355, 0.3195



70.4454, 0.2269, 0.3171



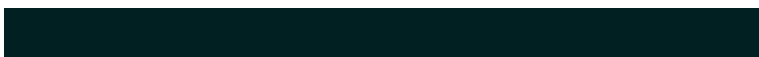
20.4643, 0.2126, 0.2200



11.3398, 0.2984, 0.3278



25.2330, 0.2205, 0.3136



1.1170, 0.2215, 0.3172



# Inverse Universe

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



19.2719, 0.3267, 0.1916



29.8532, 0.3298, 0.1733



29.1550, 0.4472, 0.4123



10.2386, 0.3145, 0.3074



9.8295, 0.3336, 0.1612



0.4274, 0.3305, 0.1595



# Previews

## White Background



This preview shows how the Yxy color 40.2632, 0.2355, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

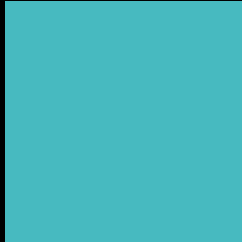
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.2632, 0.2355, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

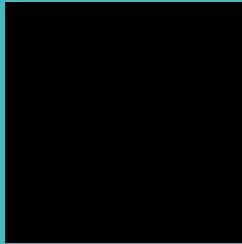
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

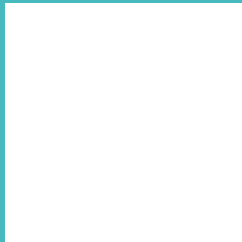
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.2632, 0.2355, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.2632, 0.2355, 0.3195.

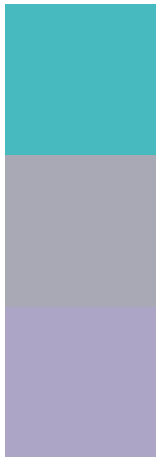


This preview shows how white text looks on a background with the Yxy color 40.2632, 0.2355, 0.3195.

# 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

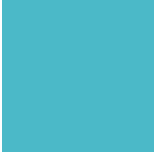
40.2632, 0.2355, 0.3195

### Protanopia

39.7765, 0.3028, 0.3112

### Deuteranopia

39.7121, 0.2925, 0.2865



## Tritanopia

40.3639, 0.2326, 0.3061

# Trichromacy



## Original Color

40.2632, 0.2355, 0.3195



## Protanomaly

39.1493, 0.2710, 0.3142



## Deuteranomaly

38.9782, 0.2654, 0.2974



## Tritanomaly

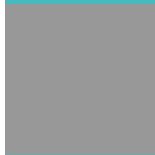
40.1850, 0.2337, 0.3105

# Monochromacy



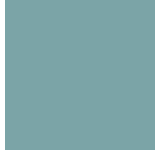
## Original Color

40.2632, 0.2355, 0.3195



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

33.5519, 0.2746, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2632, 0.2355, 0.3195 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(71, 186, 192)` looks like.

```
.text, #text, p{  
    color:rgb(71, 186, 192)  
}
```

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(71, 186, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 186, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2632, 0.2355, 0.3195 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(71, 186, 192) }
```

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

```
.border{ border-color:rgb(71, 186, 192) }
```

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

Here you see how a box with a 4 pixel rgb(71, 186, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 186, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 186, 192);  
box-shadow:4px 4px 4px 4px rgb(71, 186,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2632, 0.2355, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 186, 192) }
```

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

```
.background{ background-color: rgb(71, 186,  
192) }
```

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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