

# Converting Colors

$Yxy(47.1794, 0.2434, 0.3204)$

Have a look what the booklet for  
Yxy(47.1794, 0.2434, 0.3204)  
contains.

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# Color

**Yxy(47.2346, 0.2435, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C6CC
RGB	96, 198, 204
RGB Percent	38%, 78%, 80%
CMY	0.6234, 0.2235, 0.1999
CMYK	0.53, 0.03, 0.00, 0.20
HSL	183°, 51%, 59%
HSV	183°, 53%, 80%
XYZ	35.9201, 47.2346, 64.3612
YIQ	168.1860, -62.7180, -19.7580

# Conversions

## Conversions Part 2

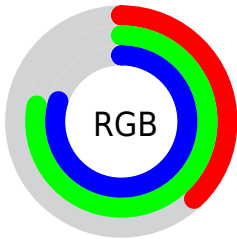
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 148, 204
Decimal	6342348
CIELab	74.34, -27.90, -12.09
CIElCh	74, 30.406, 203.431
Yxy	47.2346, 0.2435, 0.3202
Android (android.graphics.Color)	4284532428 (0xFF60C6CC)
YUV	168.1860, 17.6563, -63.3071
Hunter-Lab	68.7274, -26.9807, -7.4141

# Details

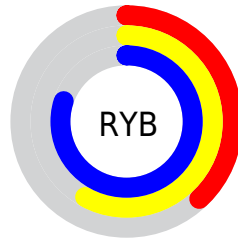
The Yxy color **47.2346, 0.2435, 0.3202** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.1961, 0.4615, 0.3369**, and the grayscale version is **39.1928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **22.3681, 0.2253, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **45.7515, 0.2351, 0.3183**, and if you desaturate by 10%, it is **49.0123, 0.2537, 0.3220**.

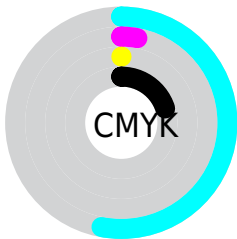
# Distribution



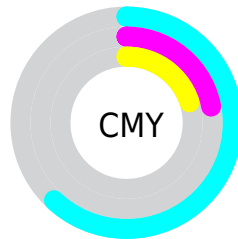
- Red (38%)
- Green (78%)
- Blue (80%)



- Red (38%)
- Yellow (58%)
- Blue (80%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (62%)
- Magenta (22%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2346, 0.2435, 0.3202 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 47.2346, 0.2435, 0.3202 by changing the saturation by 10% instead.





 47.2346, 0.2435,  
0.3202

 47.2346, 0.2435,  
0.3202

375.7502, 0.2772,  
0.3255

 33.2212, 0.2354,  
0.3186


 86.0637, 0.2555,  
0.3223


 22.2959, 0.2252,  
0.3165


 111.6481, 0.2601,  
0.3230

 14.0745, 0.2120,  
0.3134


 141.8584, 0.2640,  
0.3236

 8.1725, 0.1942,  
0.3087


 177.0788, 0.2674,  
0.3241

 4.2055, 0.1692,  
0.3009

217.6938, 0.2703,  
0.3245

 1.7892, 0.1324,  
0.2862

264.0878, 0.2729,

 0.4804, 0.0000,

0.3249

0.2518

316.6451, 0.2752,  
0.3252

0.0000, 0.0000,  
0.0000

47.2346, 0.2435,  
0.3202

47.2346, 0.2435,  
0.3202

45.7515, 0.2351,  
0.3183

49.0123, 0.2537,  
0.3220

44.5349, 0.2286,  
0.3164

51.0996, 0.2656,  
0.3238

43.5605, 0.2239,  
0.3146

53.5166, 0.2788,  
0.3255

42.7969, 0.2211,  
0.3127

56.2803, 0.2931,  
0.3271

42.3448, 0.2198,  
0.3114

59.4066, 0.3082,  
0.3286

■ 62.9104, 0.3238,  
0.3299

■ 66.8055, 0.3396,  
0.3312

■ 70.2925, 0.3521,  
0.3323

■ 70.8458, 0.3518,  
0.3334

# Harmonies

## Analogous

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



47.2346, 0.2699, 0.3619



47.2346, 0.2435, 0.3202



47.2346, 0.2348, 0.2850

# Triad

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



47.2346, 0.2435, 0.3202



47.2346, 0.3121, 0.2736



47.2346, 0.3833, 0.3927

# Complementary

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



47.2346, 0.2435, 0.3202



23.1961, 0.4615, 0.3369

# 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.



47.2346, 0.3973, 0.3647



47.2346, 0.2435, 0.3202



47.2346, 0.3547, 0.2983

# Square

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



47.2346, 0.2435, 0.3202



47.2346, 0.2722, 0.2613



47.2346, 0.3868, 0.3307



47.2346, 0.3505, 0.4054



# Rectangle

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



47.2346, 0.2435, 0.3202



47.2346, 0.2395, 0.2695



47.2346, 0.3868, 0.3307



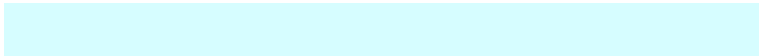
47.2346, 0.3905, 0.3846

# Sweetspot

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



47.2364, 0.2435, 0.3202



91.6240, 0.2883, 0.3266



46.6303, 0.3020, 0.4892



19.4053, 0.2853, 0.3263



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.



47.2364, 0.2435, 0.3202



75.3384, 0.2337, 0.3180



26.9839, 0.2267, 0.2372



12.6157, 0.2984, 0.3277



26.6933, 0.2199, 0.3117



1.4105, 0.2209, 0.3153



# Inverse Universe

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



25.2873, 0.3252, 0.2093



35.5276, 0.3282, 0.1891



37.2679, 0.4205, 0.4038



11.3925, 0.3146, 0.3074



10.4977, 0.3353, 0.1621

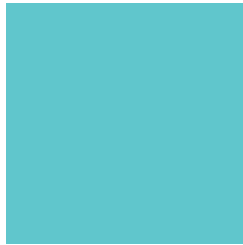


0.5449, 0.3322, 0.1604



# Previews

## White Background



This preview shows how the Yxy color 47.2346, 0.2435, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

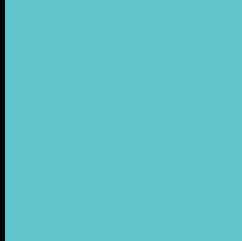
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2346, 0.2435, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

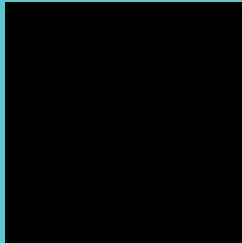
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

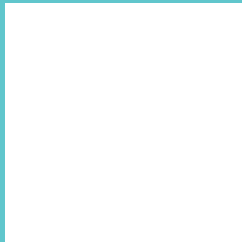
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.2346, 0.2435, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2346, 0.2435, 0.3202.

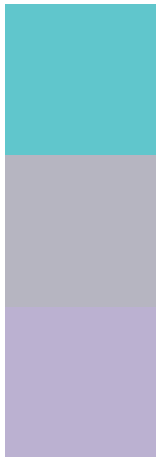


This preview shows how white text looks on a background with the Yxy color 47.2346, 0.2435, 0.3202.

# 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

47.2346, 0.2435, 0.3202

### Protanopia

46.8431, 0.3042, 0.3136

### Deuteranopia

46.6125, 0.2962, 0.2893



## Tritanopia

47.3892, 0.2400, 0.3064

# Trichromacy



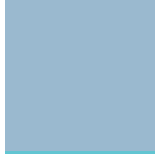
## Original Color

47.2346, 0.2435, 0.3202



## Protanomaly

46.1512, 0.2775, 0.3153



## Deuteranomaly

46.0729, 0.2728, 0.2997



## Tritanomaly

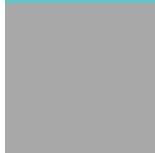
47.1823, 0.2411, 0.3105

# Monochromacy



## Original Color

47.2346, 0.2435, 0.3202



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.3272, 0.2810, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2346, 0.2435, 0.3202 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, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 204)  
}
```

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, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2346, 0.2435, 0.3202 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, 198, 204) }
```

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

```
.border{ border-color:rgb(96, 198, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2346, 0.2435, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 204) }
```

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

```
.background{ background-color: rgb(96, 198,  
204) }
```

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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