

# Converting Colors

$Yxy(45.8637, 0.2441, 0.3169)$

Have a look what the booklet for  
Yxy(45.8637, 0.2441, 0.3169)  
contains.

<b>Yxy(45.9387, 0.2440, 0.3173)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(45.9387, 0.2440, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62C3CB
RGB	98, 195, 203
RGB Percent	38%, 76%, 80%
CMY	0.6160, 0.2352, 0.2039
CMYK	0.52, 0.04, 0.00, 0.20
HSL	185°, 50%, 59%
HSV	185°, 52%, 80%
XYZ	35.3263, 45.9387, 63.5150
YIQ	166.9090, -60.3800, -18.0760

# Conversions

## Conversions Part 2

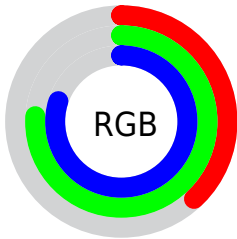
Format	Color
<b>RYB</b>	98, 148, 203
Decimal	6472651
CIELab	73.51, -26.31, -12.79
CIElCh	74, 29.252, 205.927
Yxy	45.9387, 0.2440, 0.3173
Android (android.graphics.Color)	4284662731 (0xFF62C3CB)
YUV	166.9090, 17.7929, -60.4332
Hunter-Lab	67.7781, -25.5765, -8.1161

# Details

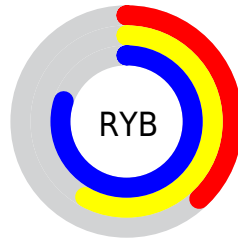
The Yxy color **45.9387, 0.2440, 0.3173** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8719, 0.4548, 0.3395**, and the grayscale version is **38.5227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9087, 0.2583, 0.3255**, and **21.5110, 0.2255, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **44.2624, 0.2351, 0.3147**, and if you desaturate by 10%, it is **47.9120, 0.2547, 0.3198**.

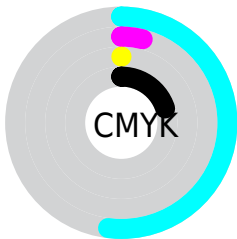
# Distribution



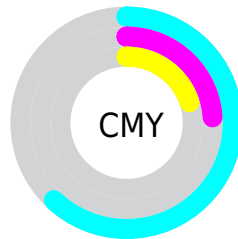
- Red (38%)
- Green (76%)
- Blue (80%)



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



- Cyan (52%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)




- Cyan (62%)
- Magenta (24%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9387, 0.2440, 0.3173 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 45.9387, 0.2440, 0.3173 by changing the saturation by 10% instead.





 45.9387, 0.2440,  
0.3173

 45.9387, 0.2440,  
0.3173


370.5621, 0.2776,  
0.3240


 32.1975, 0.2359,  
0.3154


 84.1272, 0.2560,  
0.3199


 21.5124, 0.2256,  
0.3128


 109.3433, 0.2606,  
0.3209

 13.4990, 0.2123,  
0.3090


 139.1532, 0.2645,  
0.3216

 7.7731, 0.1943,  
0.3034

 173.9411, 0.2678,  
0.3223

 3.9501, 0.1690,  
0.2942

214.0916, 0.2708,  
0.3228

 1.6457, 0.1312,  
0.2772

259.9890, 0.2733,

 0.3881, 0.0000,

0.3233

0.2218

312.0177, 0.2756,  
0.3237

0.0000, 0.0000,  
0.0000

45.9387, 0.2440,  
0.3173

45.9387, 0.2440,  
0.3173

44.2624, 0.2351,  
0.3147

47.9120, 0.2547,  
0.3198

42.8557, 0.2281,  
0.3121

50.1967, 0.2668,  
0.3222

41.6949, 0.2230,  
0.3095

52.8128, 0.2803,  
0.3245

40.7498, 0.2197,  
0.3070

55.7769, 0.2948,  
0.3267

40.0886, 0.2180,  
0.3049

59.1044, 0.3100,  
0.3287

■ 62.8100, 0.3256,  
0.3305

■ 66.9074, 0.3413,  
0.3321

■ 70.3840, 0.3528,  
0.3336

■ 71.1388, 0.3524,  
0.3352

# Harmonies

## Analogous

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



45.9387, 0.2685, 0.3576



45.9387, 0.2440, 0.3173



45.9387, 0.2370, 0.2840

# Triad

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



45.9387, 0.2440, 0.3173



45.9387, 0.3156, 0.2766



45.9387, 0.3793, 0.3927

# Complementary

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



45.9387, 0.2440, 0.3173



23.8719, 0.4548, 0.3395

# 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.



45.9387, 0.3946, 0.3664



45.9387, 0.2440, 0.3173



45.9387, 0.3567, 0.3015

# Square

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



45.9387, 0.2440, 0.3173



45.9387, 0.2763, 0.2636



45.9387, 0.3864, 0.3335



45.9387, 0.3463, 0.4031



# Rectangle

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



45.9387, 0.2440, 0.3173



45.9387, 0.2426, 0.2699



45.9387, 0.3864, 0.3335



45.9387, 0.3868, 0.3852

# Sweetspot

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



45.9405, 0.2440, 0.3173



91.0994, 0.2883, 0.3258



46.3306, 0.3013, 0.4825



19.2788, 0.2853, 0.3253



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.



45.9405, 0.2440, 0.3173



73.8318, 0.2343, 0.3144



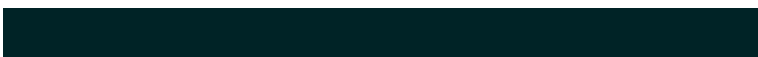
26.6888, 0.2281, 0.2368



12.5751, 0.2984, 0.3272



25.5674, 0.2181, 0.3052



1.3635, 0.2195, 0.3102



# Inverse Universe

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



25.3600, 0.3273, 0.2137



36.2594, 0.3308, 0.1945



37.8543, 0.4163, 0.4044



11.3884, 0.3149, 0.3079



10.3840, 0.3408, 0.1651

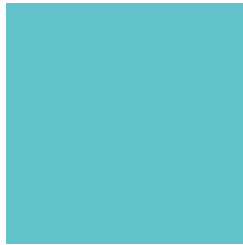


0.5402, 0.3365, 0.1628



# Previews

## White Background



This preview shows how the Yxy color 45.9387, 0.2440, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

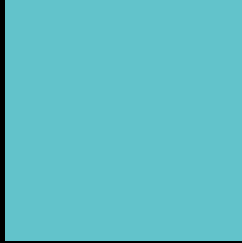
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9387, 0.2440, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

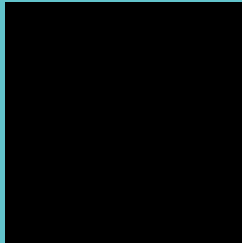
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9387, 0.2440, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9387, 0.2440, 0.3173.



This preview shows how white text looks on a background with the Yxy color 45.9387, 0.2440, 0.3173.

# 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

45.9387, 0.2440, 0.3173

### Protanopia

45.2748, 0.3017, 0.3095

### Deuteranopia

45.3553, 0.2952, 0.2888



## Tritanopia

45.9460, 0.2411, 0.3062

# Trichromacy



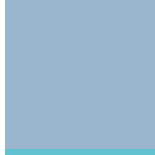
## Original Color

45.9387, 0.2440, 0.3173



## Protanomaly

44.7962, 0.2764, 0.3112



## Deuteranomaly

44.6844, 0.2724, 0.2968



## Tritanomaly

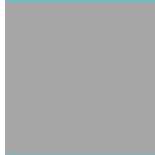
45.7412, 0.2422, 0.3103

# Monochromacy



## Original Color

45.9387, 0.2440, 0.3173



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.4904, 0.2815, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9387, 0.2440, 0.3173 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(98, 195, 203)` looks like.

```
.text, #text, p{  
    color:rgb(98, 195, 203)  
}
```

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(98, 195, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 195, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9387, 0.2440, 0.3173 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(98, 195, 203) }
```

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

```
.border{ border-color:rgb(98, 195, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 195, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 195, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 195, 203);  
box-shadow:4px 4px 4px 4px rgb(98, 195,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9387, 0.2440, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 195, 203) }
```

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

```
.background{ background-color: rgb(98, 195,  
203) }
```

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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