

# Converting Colors

$Yxy(39.7886, 0.2616, 0.3498)$

Have a look what the booklet for  
Yxy(39.7886, 0.2616, 0.3498)  
contains.

<b>Yxy(39.5940, 0.2617, 0.3492)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.5940, 0.2617, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66B7AA
RGB	102, 183, 170
RGB Percent	40%, 72%, 67%
CMY	0.5999, 0.2824, 0.3333
CMYK	0.44, 0.00, 0.07, 0.28
HSL	170°, 36%, 56%
HSV	170°, 44%, 72%
XYZ	29.6728, 39.5940, 44.1181
YIQ	157.2990, -44.1030, -21.2150

# Conversions

## Conversions Part 2

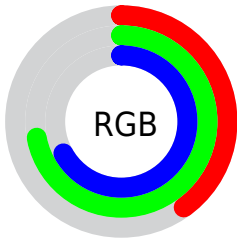
Format	Color
<a href="#">RYB</a>	<a href="#">102, 146, 183</a>
Decimal	<a href="#">6731690</a>
CIELab	<a href="#">69.18, -27.96, -1.13</a>
CIElCh	<a href="#">69, 27.985, 182.324</a>
Yxy	<a href="#">39.5940, 0.2617, 0.3492</a>
Android (android.graphics.Color)	<a href="#">4284921770</a> ( <a href="#">0xFF66B7AA</a> )
YUV	<a href="#">157.2990, 6.2616, -48.4972</a>
Hunter-Lab	<a href="#">62.9238, -25.9417, 2.4763</a>

# Details

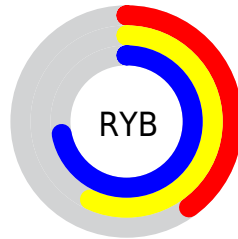
The Yxy color **39.5940, 0.2617, 0.3492** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.8147, 0.4087, 0.3107**, and the grayscale version is **33.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3373, 0.2712, 0.3454**, and **17.8541, 0.2468, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **38.5316, 0.2535, 0.3546**, and if you desaturate by 10%, it is **40.8981, 0.2714, 0.3441**.

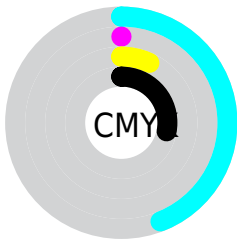
# Distribution



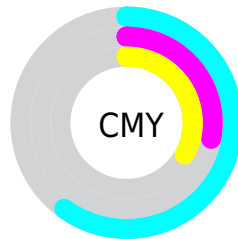
- Red (40%)
- Green (72%)
- Blue (67%)



- Red (40%)
- Yellow (57%)
- Blue (72%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)




- Cyan (60%)
- Magenta (28%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5940, 0.2617, 0.3492 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 39.5940, 0.2617, 0.3492 by changing the saturation by 10% instead.





 39.5940, 0.2617,  
0.3492


 39.5940, 0.2617,  
0.3492


344.4094, 0.2877,  
0.3390

 27.2221, 0.2551,  
0.3518


 74.5449, 0.2713,  
0.3455

 17.7401, 0.2464,  
0.3551


 97.8927, 0.2748,  
0.3441

 10.7636, 0.2348,  
0.3595


 125.6679, 0.2778,  
0.3429

 5.9081, 0.2184,  
0.3657

 158.2550, 0.2804,  
0.3419

 2.7893, 0.1934,  
0.3750

196.0382, 0.2826,  
0.3410

 1.0227, 0.1129,  
0.4076

239.4021, 0.2845,

 0.0000, 0.0000,

0.3403

0.0000

288.7310, 0.2862,  
0.3396

■ 39.5940, 0.2617,  
0.3492

■ 39.5940, 0.2617,  
0.3492

■ 38.5316, 0.2535,  
0.3546

■ 40.8981, 0.2714,  
0.3441

■ 37.6903, 0.2471,  
0.3601

■ 42.4534, 0.2824,  
0.3392

■ 37.0543, 0.2425,  
0.3658


■ 44.2746, 0.2944,  
0.3347


■ 36.6031, 0.2398,  
0.3715

■ 46.3739, 0.3072,  
0.3306

■ 36.3122, 0.2390,  
0.3771


■ 48.7629, 0.3203,  
0.3269

 36.1876, 0.2390,  
0.3804

 51.4524, 0.3337,  
0.3236

 54.4526, 0.3471,  
0.3206

 57.7733, 0.3604,  
0.3180

 59.1303, 0.3634,  
0.3152

# Harmonies

## Analogous

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



39.5940, 0.2970, 0.3853



39.5940, 0.2617, 0.3492



39.5940, 0.2406, 0.3091

# Triad

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



39.5940, 0.2617, 0.3492



39.5940, 0.2838, 0.2649



39.5940, 0.3936, 0.3731

# Complementary

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



39.5940, 0.2617, 0.3492



20.8147, 0.4087, 0.3107

# 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.



39.5940, 0.3905, 0.3407



39.5940, 0.2617, 0.3492



39.5940, 0.3247, 0.2809

# Square

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



39.5940, 0.2617, 0.3492



39.5940, 0.2527, 0.2634



39.5940, 0.3647, 0.3078



39.5940, 0.3738, 0.3969



# Rectangle

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



39.5940, 0.2617, 0.3492



39.5940, 0.2365, 0.2871



39.5940, 0.3647, 0.3078



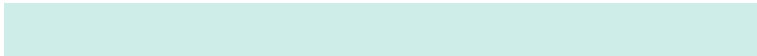
39.5940, 0.3953, 0.3628

# Sweetspot

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



39.5956, 0.2617, 0.3492



79.6611, 0.2957, 0.3343



38.5065, 0.3167, 0.4606



17.4239, 0.2930, 0.3353



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



39.5956, 0.2617, 0.3492



69.0747, 0.2538, 0.3544



30.0258, 0.2465, 0.2855



10.1852, 0.3006, 0.3327



25.2545, 0.2388, 0.3797



0.8970, 0.2348, 0.3652



# Inverse Universe

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



20.8147, 0.4087, 0.3107



31.1552, 0.4425, 0.3074



26.7334, 0.4097, 0.3678



9.0351, 0.3263, 0.3254



7.0930, 0.6146, 0.3160

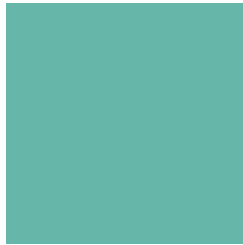


0.2574, 0.5521, 0.2815



# Previews

## White Background



This preview shows how the Yxy color 39.5940, 0.2617, 0.3492 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 39.5940, 0.2617, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

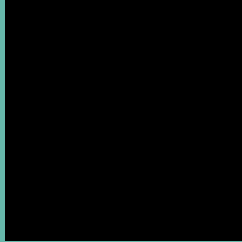
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

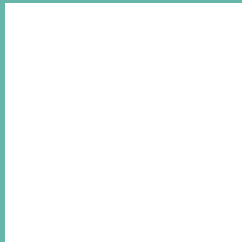
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.5940, 0.2617, 0.3492**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5940, 0.2617, 0.3492.

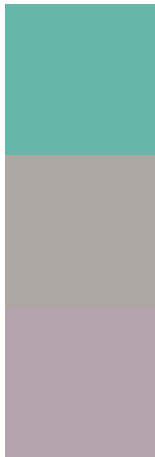


This preview shows how white text looks on a background with the Yxy color 39.5940, 0.2617, 0.3492.

# 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**

39.5940, 0.2617, 0.3492

**Protanopia**

39.0949, 0.3235, 0.3374

**Deuteranopia**

39.0741, 0.3200, 0.3142



## Tritanopia

39.3865, 0.2503, 0.3065

# Trichromacy



## Original Color

39.5940, 0.2617, 0.3492

## Protanomaly

38.7705, 0.2973, 0.3423

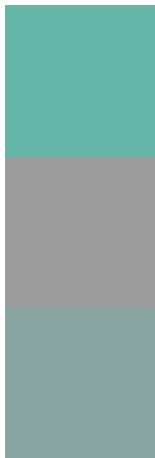
## Deuteranomaly

38.4420, 0.2944, 0.3246

## Tritanomaly

39.2095, 0.2541, 0.3212

# Monochromacy



## Original Color

39.5940, 0.2617, 0.3492

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

35.1994, 0.2901, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5940, 0.2617, 0.3492 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(102, 183, 170)` looks like.

```
.text, #text, p{  
    color:rgb(102, 183, 170)  
}
```

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(102, 183, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5940, 0.2617, 0.3492 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(102, 183, 170) }
```

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

```
.border{ border-color:rgb(102, 183, 170) }
```

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

Here you see how a box with a 4 pixel rgb(102, 183, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 183, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 183, 170);  
box-shadow:4px 4px 4px 4px rgb(102, 183,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5940, 0.2617, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 183, 170) }
```

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

```
.background{ background-color: rgb(102,  
183, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor