

# Converting Colors

$Yxy(40.9530, 0.2677, 0.3395)$

Have a look what the booklet for  
Yxy(40.9530, 0.2677, 0.3395)  
contains.

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# Color

**Yxy(40.8531, 0.2679, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76B7B0
RGB	118, 183, 176
RGB Percent	46%, 72%, 69%
CMY	0.5371, 0.2824, 0.3097
CMYK	0.35, 0.00, 0.04, 0.28
HSL	174°, 31%, 59%
HSV	174°, 35%, 72%
XYZ	32.2467, 40.8531, 47.2687
YIQ	162.7670, -36.4930, -15.9570

# Conversions

## Conversions Part 2

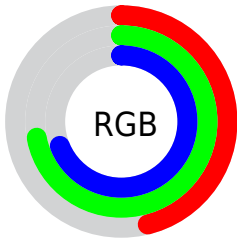
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 152, 183
Decimal	7780272
CIELab	70.07, -22.28, -3.04
CIELCh	70, 22.483, 187.762
Yxy	40.8531, 0.2679, 0.3394
Android (android.graphics.Color)	4285970352 (0xFF76B7B0)
YUV	162.7670, 6.5239, -39.2607
Hunter-Lab	63.9164, -21.7980, 0.8942

# Details

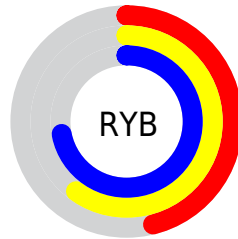
The Yxy color **40.8531, 0.2679, 0.3394** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **24.5153, 0.3869, 0.3192**, and the grayscale version is **36.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4434, 0.2762, 0.3369**, and **18.5443, 0.2543, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **39.6176, 0.2579, 0.3428**, and if you desaturate by 10%, it is **42.3416, 0.2793, 0.3362**.

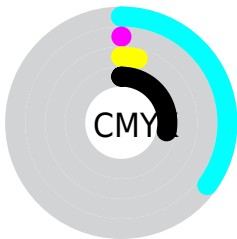
# Distribution



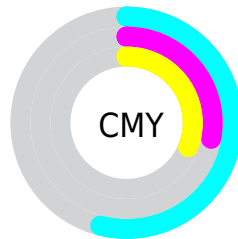
- Red (46%)
- Green (72%)
- Blue (69%)



- Red (46%)
- Yellow (60%)
- Blue (72%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)




- Cyan (54%)
- Magenta (28%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8531, 0.2679, 0.3394 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 40.8531, 0.2679, 0.3394 by changing the saturation by 10% instead.





 40.8531, 0.2679,  
0.3394


 40.8531, 0.2679,  
0.3394


349.7063, 0.2906,  
0.3343

 28.2043, 0.2621,  
0.3406


 76.4608, 0.2762,  
0.3376

 18.4797, 0.2547,  
0.3422


 100.1886, 0.2793,  
0.3369

 11.2950, 0.2447,  
0.3441


 128.3781, 0.2819,  
0.3363

 6.2656, 0.2307,  
0.3468

161.4138, 0.2842,  
0.3358

 3.0072, 0.2094,  
0.3504

199.6801, 0.2861,  
0.3354

 1.1355, 0.1635,  
0.3598

243.5613, 0.2878,

 0.0081, 0.0000,

0.3350

0.0352

293.4419, 0.2893,  
0.3346

0.0000, 0.0000,  
0.0000

40.8531, 0.2679,  
0.3394

40.8531, 0.2679,  
0.3394

39.6176, 0.2579,  
0.3428

42.3416, 0.2793,  
0.3362

38.6157, 0.2495,  
0.3463

44.0913, 0.2918,  
0.3332

37.8332, 0.2429,  
0.3500


46.1164, 0.3051,  
0.3304


37.2521, 0.2382,  
0.3537


48.4283, 0.3190,  
0.3279


36.8518, 0.2354,  
0.3573


51.0379, 0.3332,  
0.3256

 36.6064, 0.2343,  
0.3610

 53.9556, 0.3475,  
0.3236

 36.5212, 0.2341,  
0.3626

 57.1911, 0.3616,  
0.3219

 58.9191, 0.3675,  
0.3200

 59.0067, 0.3658,  
0.3180

# Harmonies

## Analogous

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



40.8531, 0.2948, 0.3688



40.8531, 0.2679, 0.3394



40.8531, 0.2531, 0.3085

# Triad

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



40.8531, 0.2679, 0.3394



40.8531, 0.2954, 0.2786



40.8531, 0.3755, 0.3691

# Complementary

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



40.8531, 0.2679, 0.3394



24.5153, 0.3869, 0.3192

# 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.



40.8531, 0.3763, 0.3440



40.8531, 0.2679, 0.3394



40.8531, 0.3286, 0.2935

# Square

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



40.8531, 0.2679, 0.3394



40.8531, 0.2683, 0.2754



40.8531, 0.3588, 0.3169



40.8531, 0.3572, 0.3852



# Rectangle

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



40.8531, 0.2679, 0.3394



40.8531, 0.2515, 0.2920



40.8531, 0.3588, 0.3169



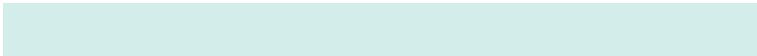
40.8531, 0.3779, 0.3614

# Sweetspot

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



40.8547, 0.2679, 0.3394



80.4741, 0.2975, 0.3320



39.5808, 0.3139, 0.4320



17.6683, 0.2957, 0.3323



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.



40.8547, 0.2679, 0.3394



71.3225, 0.2596, 0.3422



31.7603, 0.2582, 0.2901



10.1936, 0.2999, 0.3315



25.4856, 0.2339, 0.3622



0.9032, 0.2313, 0.3528



# Inverse Universe

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



24.5153, 0.3869, 0.3192



37.4867, 0.4132, 0.3170



31.0033, 0.3835, 0.3646



9.0275, 0.3271, 0.3266



7.0627, 0.6253, 0.3219

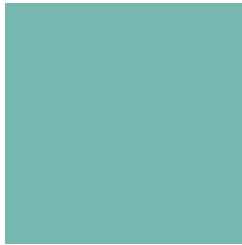


0.2542, 0.5774, 0.2954



# Previews

## White Background



This preview shows how the Yxy color 40.8531, 0.2679, 0.3394 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 40.8531, 0.2679, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

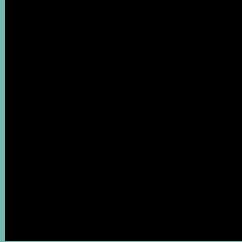
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

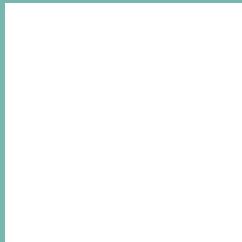
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.8531, 0.2679, 0.3394**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8531, 0.2679, 0.3394.

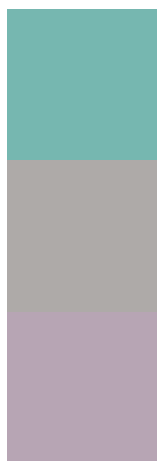


This preview shows how white text looks on a background with the Yxy color 40.8531, 0.2679, 0.3394.

# 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

40.8531, 0.2679, 0.3394

### Protanopia

40.5753, 0.3181, 0.3318

### Deuteranopia

40.2728, 0.3164, 0.3091



## Tritanopia

40.7936, 0.2585, 0.3071

# Trichromacy



## Original Color

40.8531, 0.2679, 0.3394

## Protanomaly

40.4702, 0.2978, 0.3347

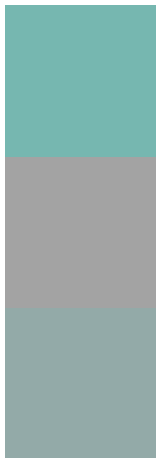
## Deuteranomaly

40.1306, 0.2957, 0.3191

## Tritanomaly

40.7435, 0.2618, 0.3185

# Monochromacy



## Original Color

40.8531, 0.2679, 0.3394

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

37.7796, 0.2941, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8531, 0.2679, 0.3394 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(118, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 176)  
}
```

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(118, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8531, 0.2679, 0.3394 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(118, 183, 176) }
```

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

```
.border{ border-color:rgb(118, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 183, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 183, 176);  
box-shadow:4px 4px 4px 4px rgb(118, 183,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8531, 0.2679, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 176) }
```

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

```
.background{ background-color: rgb(118,  
183, 176) }
```

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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