

# Converting Colors

$Yxy(41.4757, 0.2677, 0.3397)$

Have a look what the booklet for  
Yxy(41.4757, 0.2677, 0.3397)  
contains.

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# Color

**Yxy(41.3069, 0.2674, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76B8B1
RGB	118, 184, 177
RGB Percent	46%, 72%, 69%
CMY	0.5374, 0.2784, 0.3059
CMYK	0.36, 0.00, 0.04, 0.28
HSL	174°, 32%, 59%
HSV	174°, 36%, 72%
XYZ	32.5441, 41.3069, 47.8547
YIQ	163.4680, -37.0890, -16.1690

# Conversions

## Conversions Part 2

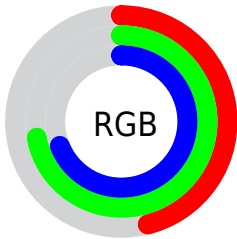
Format	Color
<a href="#">RYB</a>	<a href="#">118, 153, 184</a>
Decimal	<a href="#">7780529</a>
CIELab	<a href="#">70.39, -22.58, -3.11</a>
CIELCh	<a href="#">70, 22.790, 187.849</a>
Yxy	<a href="#">41.3069, 0.2674, 0.3394</a>
Android (android.graphics.Color)	<a href="#">4285970609</a> ( <a href="#">0xFF76B8B1</a> )
YUV	<a href="#">163.4680, 6.6713, -39.8754</a>
Hunter-Lab	<a href="#">64.2704, -22.0877, 0.8430</a>

# Details

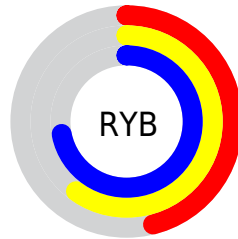
The Yxy color **41.3069, 0.2674, 0.3394** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **24.6202, 0.3882, 0.3192**, and the grayscale version is **36.8370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0876, 0.2758, 0.3369**, and **18.8371, 0.2539, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **40.0667, 0.2574, 0.3428**, and if you desaturate by 10%, it is **42.8028, 0.2788, 0.3362**.

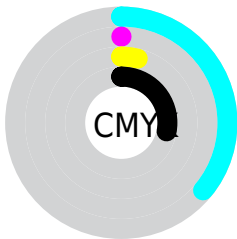
# Distribution



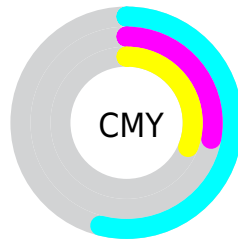
- Red (46%)
- Green (72%)
- Blue (69%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3069, 0.2674, 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 41.3069, 0.2674, 0.3394 by changing the saturation by 10% instead.



 41.3069, 0.2674,  
0.3394


 41.3069, 0.2674,  
0.3394


351.6017, 0.2903,  
0.3343

 28.5590, 0.2616,  
0.3406


 77.1496, 0.2758,  
0.3376

 18.7474, 0.2541,  
0.3421


 101.0131, 0.2789,  
0.3369

 11.4879, 0.2441,  
0.3441


 129.3506, 0.2816,  
0.3363

 6.3960, 0.2300,  
0.3467

162.5465, 0.2838,  
0.3358

 3.0874, 0.2088,  
0.3502

200.9851, 0.2858,  
0.3354

 1.1775, 0.1651,  
0.3586

245.0509, 0.2875,

 0.0432, 0.0000,

0.3350

0.1404

295.1283, 0.2890,  
0.3347

0.0000, 0.0000,  
0.0000

41.3069, 0.2674,  
0.3394

41.3069, 0.2674,  
0.3394

40.0667, 0.2574,  
0.3428

42.8028, 0.2788,  
0.3362

39.0625, 0.2491,  
0.3463

44.5629, 0.2912,  
0.3332

38.2799, 0.2426,  
0.3499

46.6014, 0.3046,  
0.3305

37.7005, 0.2379,  
0.3535

48.9300, 0.3185,  
0.3280

37.3032, 0.2352,  
0.3571

51.5599, 0.3327,  
0.3258

■ 37.0611, 0.2341,  
0.3607

■ 54.5014, 0.3470,  
0.3238

■ 36.9831, 0.2340,  
0.3622

■ 57.7645, 0.3612,  
0.3220

■ 59.3781, 0.3665,  
0.3202

■ 59.4655, 0.3648,  
0.3182

# Harmonies

## Analogous

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



41.3069, 0.2945, 0.3692



41.3069, 0.2674, 0.3394



41.3069, 0.2525, 0.3082

# Triad

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



41.3069, 0.2674, 0.3394



41.3069, 0.2953, 0.2782



41.3069, 0.3761, 0.3695

# Complementary

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



41.3069, 0.2674, 0.3394



24.6202, 0.3882, 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.



41.3069, 0.3769, 0.3442



41.3069, 0.2674, 0.3394



41.3069, 0.3289, 0.2933

# Square

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



41.3069, 0.2674, 0.3394



41.3069, 0.2679, 0.2749



41.3069, 0.3593, 0.3169



41.3069, 0.3576, 0.3858



# Rectangle

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



41.3069, 0.2674, 0.3394



41.3069, 0.2509, 0.2916



41.3069, 0.3593, 0.3169



41.3069, 0.3785, 0.3617

# Sweetspot

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



41.3086, 0.2674, 0.3394



82.4485, 0.2974, 0.3319



40.0027, 0.3139, 0.4334



17.6688, 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.



41.3086, 0.2674, 0.3394



73.0750, 0.2595, 0.3420



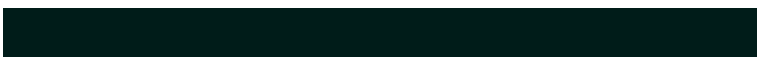
32.0009, 0.2576, 0.2896



10.1938, 0.2999, 0.3314



25.4918, 0.2338, 0.3618



0.9034, 0.2312, 0.3524



# Inverse Universe

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



24.6202, 0.3882, 0.3192



38.3830, 0.4134, 0.3171



31.2285, 0.3846, 0.3650



9.0273, 0.3271, 0.3266



7.0620, 0.6256, 0.3220

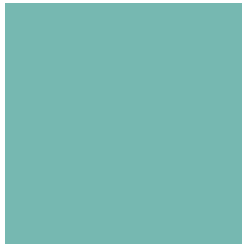


0.2541, 0.5781, 0.2958



# Previews

## White Background



This preview shows how the Yxy color 41.3069, 0.2674, 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 41.3069, 0.2674, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

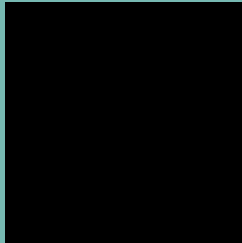
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

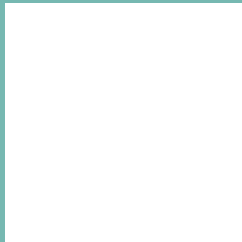
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.3069, 0.2674, 0.3394**

## Background



This preview shows how black text looks on a background with the Yxy color 41.3069, 0.2674, 0.3394.

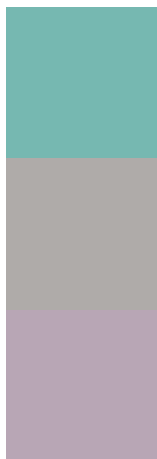


This preview shows how white text looks on a background with the Yxy color 41.3069, 0.2674, 0.3394.

# 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

41.3069, 0.2674, 0.3394

### Protanopia

41.1044, 0.3180, 0.3318

### Deuteranopia

40.7990, 0.3164, 0.3092



## Tritanopia

41.2442, 0.2581, 0.3072

# Trichromacy



## Original Color

41.3069, 0.2674, 0.3394

## Protanomaly

40.8993, 0.2970, 0.3347

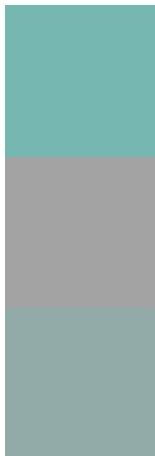
## Deuteranomaly

40.6560, 0.2958, 0.3192

## Tritanomaly

41.1950, 0.2614, 0.3186

# Monochromacy



## Original Color

41.3069, 0.2674, 0.3394

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

38.1560, 0.2941, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3069, 0.2674, 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, 184, 177)` looks like.

```
.text, #text, p{  
    color:rgb(118, 184, 177)  
}
```

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, 184, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 184, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3069, 0.2674, 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, 184, 177) }
```

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

```
.border{ border-color:rgb(118, 184, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 184, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 184, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 184, 177);  
box-shadow:4px 4px 4px 4px rgb(118, 184,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3069, 0.2674, 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, 184, 177) }
```

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

```
.background{ background-color: rgb(118,  
184, 177) }
```

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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