

Converting Colors

$Yxy(38.8794, 0.2703, 0.3726)$

Have a look what the booklet for
Yxy(38.8794, 0.2703, 0.3726)
contains.

Yxy(39.0340, 0.2700, 0.3724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0340, 0.2700, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	65B79C
RGB	101, 183, 156
RGB Percent	40%, 72%, 61%
CMY	0.6038, 0.2823, 0.3883
CMYK	0.45, 0.00, 0.15, 0.28
HSL	160°, 36%, 56%
HSV	160°, 45%, 72%
XYZ	28.3007, 39.0340, 37.4827
YIQ	155.4040, -40.2050, -25.7810

Conversions

Conversions Part 2

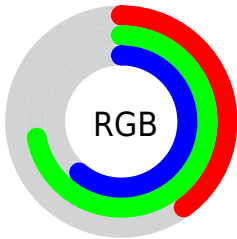
Format	Color
RYB	101, 150, 183
Decimal	6666140
CIELab	68.78, -31.53, 6.00
CIElCh	69, 32.099, 169.234
Yxy	39.0340, 0.2700, 0.3724
Android (android.graphics.Color)	4284856220 (0xFF65B79C)
YUV	155.4040, 0.2938, -47.7123
Hunter-Lab	62.4772, -28.4788, 8.1635

Details

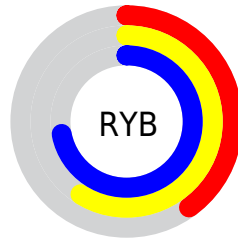
The Yxy color **39.0340, 0.2700, 0.3724** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.9389, 0.3899, 0.2907**, and the grayscale version is **32.9807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4541, 0.2785, 0.3639**, and **17.2783, 0.2560, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **37.8946, 0.2633, 0.3841**, and if you desaturate by 10%, it is **40.4219, 0.2781, 0.3613**.

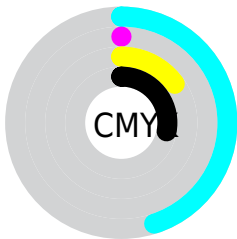
Distribution



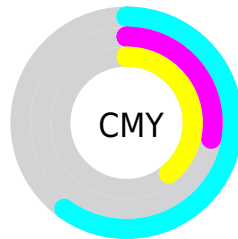
- Red (40%)
- Green (72%)
- Blue (61%)



- Red (40%)
- Yellow (59%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)





- Cyan (60%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0340, 0.2700, 0.3724 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 39.0340, 0.2700, 0.3724 by changing the saturation by 10% instead.


 39.0340, 0.2700,
0.3724

 39.0340, 0.2700,
0.3724


342.0350, 0.2922,
0.3495


 26.7862, 0.2642,
0.3785


 73.6903, 0.2783,
0.3638

 17.4127, 0.2565,
0.3867


 96.8675, 0.2813,
0.3606

 10.5292, 0.2461,
0.3980


 124.4566, 0.2839,
0.3580

 5.7512, 0.2309,
0.4148

 156.8421, 0.2860,
0.3558

 2.6944, 0.2069,
0.4421

194.4083, 0.2879,
0.3539

 0.9743, 0.0870,
0.5515

237.5396, 0.2895,

 0.0000, 0.0000,

0.3522

0.0000

286.6203, 0.2909,
0.3508

■ 39.0340, 0.2700,
0.3724

■ 39.0340, 0.2700,
0.3724

■ 37.8946, 0.2633,
0.3841

■ 40.4219, 0.2781,
0.3613

■ 36.9831, 0.2583,
0.3964

■ 42.0680, 0.2872,
0.3510

■ 36.2832, 0.2552,
0.4089


■ 43.9873, 0.2971,
0.3415

■ 35.7741, 0.2540,
0.4215

■ 46.1922, 0.3076,
0.3328

■ 35.4310, 0.2548,
0.4339


■ 48.6943, 0.3183,
0.3251

 35.2900, 0.2557,
0.4404

 51.5045, 0.3291,
0.3181

 54.6334, 0.3398,
0.3120

 58.0908, 0.3503,
0.3066

 59.7952, 0.3516,
0.3010

Harmonies

Analogous

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



39.0340, 0.3146, 0.4069



39.0340, 0.2700, 0.3724



39.0340, 0.2383, 0.3251

Triad

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



39.0340, 0.2700, 0.3724



39.0340, 0.2620, 0.2531



39.0340, 0.4079, 0.3630

Complementary

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



39.0340, 0.2700, 0.3724



20.9389, 0.3899, 0.2907

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.



39.0340, 0.3924, 0.3251



39.0340, 0.2700, 0.3724



39.0340, 0.3050, 0.2645

Square

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



39.0340, 0.2700, 0.3724



39.0340, 0.2343, 0.2590



39.0340, 0.3535, 0.2901



39.0340, 0.3955, 0.3963

Rectangle

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



39.0340, 0.2700, 0.3724



39.0340, 0.2278, 0.2960



39.0340, 0.3535, 0.2901



39.0340, 0.4059, 0.3505

Sweetspot

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



39.0356, 0.2700, 0.3724



79.3682, 0.2988, 0.3400



39.4245, 0.3280, 0.4579



17.3490, 0.2965, 0.3420



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.



39.0356, 0.2700, 0.3724



67.8490, 0.2633, 0.3843



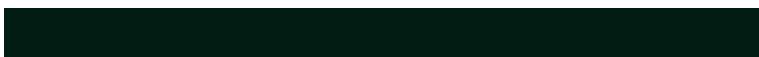
34.6893, 0.2496, 0.3073



10.1589, 0.3028, 0.3366



24.6310, 0.2552, 0.4389



0.8792, 0.2464, 0.4070

Inverse Universe

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



20.9389, 0.3899, 0.2907



31.2311, 0.4176, 0.2831



23.1973, 0.4207, 0.3489



9.0597, 0.3237, 0.3215



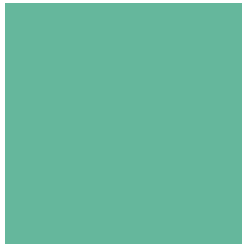
7.2646, 0.5621, 0.2870



0.2678, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 39.0340, 0.2700, 0.3724 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 39.0340, 0.2700, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

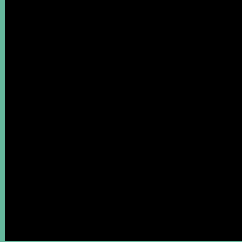
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0340, 0.2700, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 39.0340, 0.2700, 0.3724.

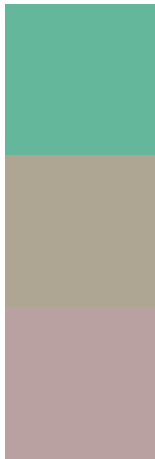


This preview shows how white text looks on a background with the Yxy color 39.0340, 0.2700, 0.3724.

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

39.0340, 0.2700, 0.3724

Protanopia

38.3777, 0.3372, 0.3559

Deuteranopia

38.3772, 0.3360, 0.3291



Tritanopia

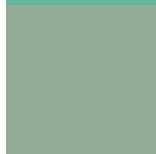
39.0261, 0.2524, 0.3079

Trichromacy



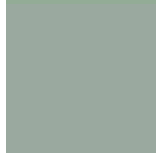
Original Color

39.0340, 0.2700, 0.3724



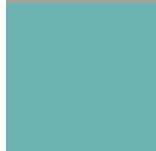
Protanomaly

37.9101, 0.3085, 0.3622



Deuteranomaly

37.7492, 0.3075, 0.3437



Tritanomaly

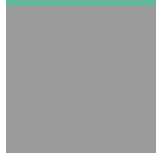
39.0230, 0.2584, 0.3304

Monochromacy



Original Color

39.0340, 0.2700, 0.3724



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.4277, 0.2939, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0340, 0.2700, 0.3724 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(101, 183, 156)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 156)  
}
```

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(101, 183, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 156) }
```

Border

The CSS property to change the border of an element to Yxy 39.0340, 0.2700, 0.3724 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(101, 183, 156) }
```

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

```
.border{ border-color:rgb(101, 183, 156) }
```

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

Here you see how a box with a 4 pixel rgb(101, 183, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 156);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0340, 0.2700, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 156) }
```

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

```
.background{ background-color: rgb(101,  
183, 156) }
```

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