

Converting Colors

$Y_{xy}(38.9944, 0.2593, 0.3108)$

Have a look what the booklet for
Yxy(38.9944, 0.2593, 0.3108)
contains.

Yxy(39.0403, 0.2590, 0.3110)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0403, 0.2590, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	77B1BD
RGB	119, 177, 189
RGB Percent	47%, 69%, 74%
CMY	0.5335, 0.3058, 0.2587
CMYK	0.37, 0.06, 0.00, 0.26
HSL	190°, 35%, 60%
HSV	190°, 37%, 74%
XYZ	32.5127, 39.0403, 53.9785
YIQ	161.0260, -38.4200, -8.5640

Conversions

Conversions Part 2

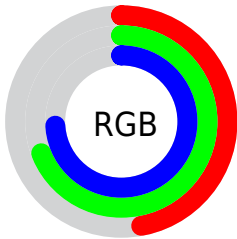
Format	Color
RYB	119, 151, 189
Decimal	7844285
CIELab	68.78, -15.75, -12.12
CIELCh	69, 19.871, 217.570
Yxy	39.0403, 0.2590, 0.3110
Android (android.graphics.Color)	4286034365 (0xFF77B1BD)
YUV	161.0260, 13.7912, -36.8568
Hunter-Lab	62.4822, -16.4614, -7.4832

Details

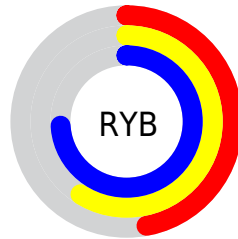
The Yxy color **39.0403, 0.2590, 0.3110** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.3784, 0.3954, 0.3460**, and the grayscale version is **35.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8691, 0.2693, 0.3153**, and **17.3511, 0.2432, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **36.5699, 0.2466, 0.3053**, and if you desaturate by 10%, it is **41.8101, 0.2725, 0.3164**.

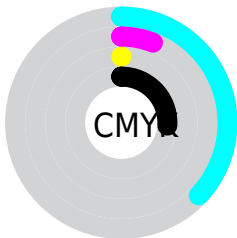
Distribution



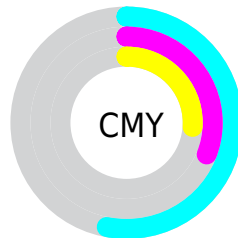
- Red (47%)
- Green (69%)
- Blue (74%)



- Red (47%)
- Yellow (59%)
- Blue (74%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (26%)





- Cyan (53%)
- Magenta (31%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0403, 0.2590, 0.3110 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 39.0403, 0.2590, 0.3110 by changing the saturation by 10% instead.


 39.0403, 0.2590,
0.3110


 39.0403, 0.2590,
0.3110


342.0618, 0.2861,
0.3208


 26.7911, 0.2522,
0.3083


 73.6999, 0.2689,
0.3147

 17.4164, 0.2433,
0.3047


 96.8790, 0.2726,
0.3161

 10.5318, 0.2316,
0.2997


 124.4703, 0.2758,
0.3172

 5.7530, 0.2151,
0.2922

156.8580, 0.2784,
0.3181

 2.6955, 0.1907,
0.2799

194.4266, 0.2808,
0.3189

 0.9749, 0.1435,
0.2593

237.5606, 0.2828,

 0.0000, 0.0000,

0.3196

0.0000

286.6441, 0.2846,
0.3202

■ 39.0403, 0.2590,
0.3110

■ 39.0403, 0.2590,
0.3110

■ 36.5699, 0.2466,
0.3053

■ 41.8101, 0.2725,
0.3164

■ 34.3782, 0.2358,
0.2994

■ 44.8896, 0.2870,
0.3214

■ 32.4491, 0.2266,
0.2934

■ 48.2938, 0.3019,
0.3260

■ 30.7625, 0.2192,
0.2872

■ 52.0356, 0.3172,
0.3302

■ 29.2952, 0.2138,
0.2811

■ 56.1272, 0.3325,
0.3340

■ 28.0148, 0.2102,
0.2750

■ 60.5799, 0.3477,
0.3374

■ 27.6569, 0.2092,
0.2732

■ 65.4046, 0.3625,
0.3403

■ 67.6186, 0.3647,
0.3436

■ 69.1651, 0.3638,
0.3469

Harmonies

Analogous

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



39.0403, 0.2725, 0.3386



39.0403, 0.2590, 0.3110



39.0403, 0.2590, 0.2902

Triad

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



39.0403, 0.2590, 0.3110



39.0403, 0.3269, 0.2969



39.0403, 0.3529, 0.3794

Complementary

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



39.0403, 0.2590, 0.3110



28.3784, 0.3954, 0.3460

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.



39.0403, 0.3691, 0.3651



39.0403, 0.2590, 0.3110



39.0403, 0.3539, 0.3181

Square

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



39.0403, 0.2590, 0.3110



39.0403, 0.2971, 0.2834



39.0403, 0.3696, 0.3426



39.0403, 0.3263, 0.3799

Rectangle

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



39.0403, 0.2590, 0.3110



39.0403, 0.2667, 0.2825



39.0403, 0.3696, 0.3426



39.0403, 0.3598, 0.3760

Sweetspot

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



39.0418, 0.2590, 0.3110



83.8936, 0.2957, 0.3241



41.9531, 0.2997, 0.4208



17.8633, 0.2937, 0.3235



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.0418, 0.2590, 0.3110



66.4781, 0.2494, 0.3067



27.0338, 0.2512, 0.2562



10.5235, 0.2985, 0.3250



18.7016, 0.2095, 0.2740



0.8073, 0.2135, 0.2885

Inverse Universe

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



27.1805, 0.3299, 0.2524



42.8020, 0.3344, 0.2373



39.3048, 0.3781, 0.3921



9.6674, 0.3163, 0.3102



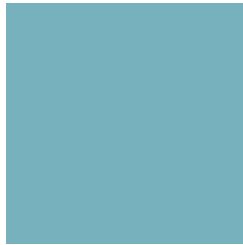
8.9176, 0.3690, 0.1807



0.3569, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 39.0403, 0.2590, 0.3110 looks on a white background.

Color Contrast Check

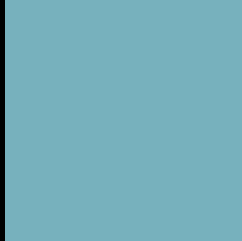
Large Text (above 18pt) WCAG AA × Fail

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 39.0403, 0.2590, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

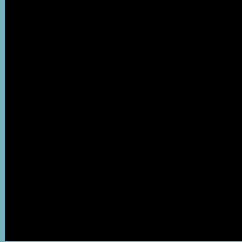
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0403, 0.2590, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 39.0403, 0.2590, 0.3110.

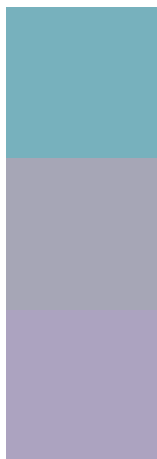


This preview shows how white text looks on a background with the Yxy color 39.0403, 0.2590, 0.3110.

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

39.0403, 0.2590, 0.3110

Protanopia

38.7568, 0.2993, 0.3068

Deuteranopia

38.7708, 0.2965, 0.2901



Tritanopia

39.1278, 0.2578, 0.3081

Trichromacy



Original Color

39.0403, 0.2590, 0.3110

Protanomaly

38.6418, 0.2827, 0.3075

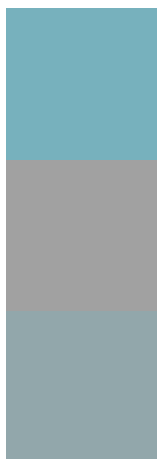
Deuteranomaly

38.5392, 0.2814, 0.2967

Tritanomaly

39.0839, 0.2584, 0.3096

Monochromacy



Original Color

39.0403, 0.2590, 0.3110

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6887, 0.2907, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0403, 0.2590, 0.3110 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(119, 177, 189)` looks like.

```
.text, #text, p{  
    color:rgb(119, 177, 189)  
}
```

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(119, 177, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 177, 189) }
```

Border

The CSS property to change the border of an element to Yxy 39.0403, 0.2590, 0.3110 is called "border". The border property can be set on classes, ids or directly on the HTML element.

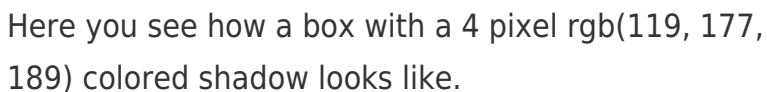
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 177, 189) }
```

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

```
.border{ border-color:rgb(119, 177, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 177, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 177, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 177, 189); box-shadow:4px 4px 4px 4px rgb(119, 177, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0403, 0.2590, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 177, 189) }
```

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

```
.background{ background-color: rgb(119,  
177, 189) }
```

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