

Converting Colors

$Yxy(39.3444, 0.2666, 0.3883)$

Have a look what the booklet for
Yxy(39.3444, 0.2666, 0.3883)
contains.

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Color

Yxy(39.3461, 0.2663, 0.3882)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 57BA96 |
| RGB | 87, 186, 150 |
| RGB Percent | 34%, 73%, 59% |
| CMY | 0.6589, 0.2706, 0.4118 |
| CMYK | 0.53, 0.00, 0.19, 0.27 |
| HSL | 158°, 42%, 54% |
| HSV | 158°, 53%, 73% |
| XYZ | 26.9909, 39.3461, 35.0182 |
| YIQ | 152.2950, -47.4480, -32.1840 |

Conversions

Conversions Part 2

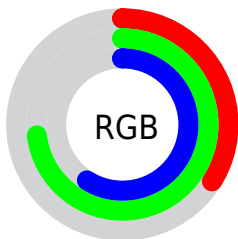
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 87, 148, 186 |
| Decimal | 5749398 |
| CIELab | 69.00, -37.74, 9.53 |
| CIElCh | 69, 38.921, 165.833 |
| Yxy | 39.3461, 0.2663, 0.3882 |
| Android (android.graphics.Color) | 4283939478 (0xFF57BA96) |
| YUV | 152.2950, -1.1314, -57.2637 |
| Hunter-Lab | 62.7265, -32.9636, 10.8088 |

Details

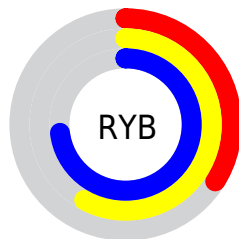
The Yxy color **39.3461, 0.2663, 0.3882** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.6815, 0.4075, 0.2796**, and the grayscale version is **31.5507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3901, 0.2758, 0.3767**, and **17.5628, 0.2515, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **38.3534, 0.2613, 0.4018**, and if you desaturate by 10%, it is **40.5851, 0.2729, 0.3752**.

Distribution



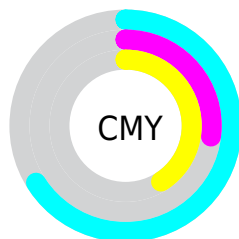
- Red (34%)
- Green (73%)
- Blue (59%)



- Red (34%)
- Yellow (58%)
- Blue (73%)



- Cyan (53%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)




- Cyan (66%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3461, 0.2663, 0.3882 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 39.3461, 0.2663, 0.3882 by changing the saturation by 10% instead.


 39.3461, 0.2663,
0.3882


 39.3461, 0.2663,
0.3882

343.3597, 0.2906,
0.3567


 27.0291, 0.2599,
0.3968


 74.1667, 0.2754,
0.3762

 17.5951, 0.2514,
0.4082

 97.4392, 0.2787,
0.3719

 10.6597, 0.2397,
0.4242

 125.1322, 0.2815,
0.3683

 5.8385, 0.2225,
0.4481

 157.6301, 0.2839,
0.3653

 2.7471, 0.1954,
0.4876

195.3175, 0.2859,
0.3626

 1.0012, 0.0179,
0.6923

238.5786, 0.2877,

 0.0000, 0.0000,

0.3604

0.0000

287.7979, 0.2893,
0.3584

■ 39.3461, 0.2663,
0.3882

■ 39.3461, 0.2663,
0.3882

■ 38.3534, 0.2613,
0.4018

■ 40.5851, 0.2729,
0.3752

■ 37.5841, 0.2582,
0.4157

■ 42.0821, 0.2808,
0.3630

■ 37.0186, 0.2570,
0.4297

■ 43.8537, 0.2897,
0.3516

■ 36.6318, 0.2578,
0.4436

■ 45.9135, 0.2993,
0.3412

■ 36.4377, 0.2591,
0.4528

■ 48.2745, 0.3094,
0.3318

■ 50.9485, 0.3197,
0.3234

■ 53.9471, 0.3300,
0.3159

■ 57.2810, 0.3401,
0.3093

■ 60.9605, 0.3500,
0.3035

Harmonies

Analogous

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



39.3461, 0.3204, 0.4276



39.3461, 0.2663, 0.3882



39.3461, 0.2269, 0.3299

Triad

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



39.3461, 0.2663, 0.3882



39.3461, 0.2471, 0.2386



39.3461, 0.4274, 0.3630

Complementary

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



39.3461, 0.2663, 0.3882



18.6815, 0.4075, 0.2796

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.



39.3461, 0.4051, 0.3183



39.3461, 0.2663, 0.3882



39.3461, 0.2964, 0.2502

Square

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



39.3461, 0.2663, 0.3882



39.3461, 0.2172, 0.2473



39.3461, 0.3552, 0.2785



39.3461, 0.4152, 0.4045

Rectangle

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



39.3461, 0.2663, 0.3882



39.3461, 0.2130, 0.2937



39.3461, 0.3552, 0.2785



39.3461, 0.4238, 0.3480

Sweetspot

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



39.3477, 0.2663, 0.3882



82.0284, 0.2964, 0.3443



40.0410, 0.3319, 0.4835



17.8918, 0.2944, 0.3464



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.



39.3477, 0.2663, 0.3882



69.2285, 0.2606, 0.4043



35.3821, 0.2410, 0.3079



10.1537, 0.3032, 0.3374



24.5264, 0.2586, 0.4510



0.8761, 0.2488, 0.4157

Inverse Universe

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



18.6815, 0.4075, 0.2796



27.7736, 0.4420, 0.2720



20.2757, 0.4550, 0.3475



9.0648, 0.3232, 0.3207



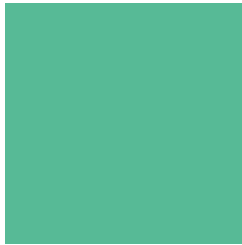
7.3144, 0.5491, 0.2798



0.2699, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 39.3461, 0.2663, 0.3882 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 39.3461, 0.2663, 0.3882 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 39.3461, 0.2663, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 39.3461, 0.2663, 0.3882.

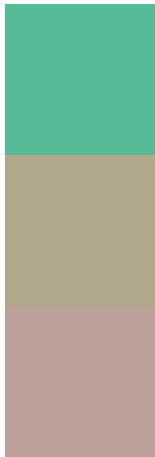


This preview shows how white text looks on a background with the Yxy color 39.3461, 0.2663, 0.3882.

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

39.3461, 0.2663, 0.3882

Protanopia

38.7610, 0.3453, 0.3671

Deuteranopia

38.5477, 0.3446, 0.3372



Tritanopia

39.3043, 0.2461, 0.3078

Trichromacy



Original Color

39.3461, 0.2663, 0.3882



Protanomaly

38.2150, 0.3106, 0.3747



Deuteranomaly

37.6287, 0.3097, 0.3544



Tritanomaly

39.1570, 0.2532, 0.3351

Monochromacy



Original Color

39.3461, 0.2663, 0.3882



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.3745, 0.2910, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3461, 0.2663, 0.3882 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(87, 186, 150)` looks like.

```
.text, #text, p{  
    color:rgb(87, 186, 150)  
}
```

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(87, 186, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 186, 150) }
```

Border

The CSS property to change the border of an element to Yxy 39.3461, 0.2663, 0.3882 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(87, 186, 150) }
```

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

```
.border{ border-color:rgb(87, 186, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 186, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 186, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 186, 150);  
box-shadow:4px 4px 4px 4px rgb(87, 186,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3461, 0.2663, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 186, 150) }
```

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

```
.background{ background-color: rgb(87, 186,  
150) }
```

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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