

Converting Colors

$Y_{xy}(40.0998, 0.2703, 0.3827)$

Have a look what the booklet for
Yxy(40.0998, 0.2703, 0.3827)
contains.

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Color

Yxy(39.9591, 0.2701, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	61BA99
RGB	97, 186, 153
RGB Percent	38%, 73%, 60%
CMY	0.6195, 0.2706, 0.4001
CMYK	0.48, 0.00, 0.18, 0.27
HSL	158°, 39%, 55%
HSV	158°, 48%, 73%
XYZ	28.2390, 39.9591, 36.3521
YIQ	155.6270, -42.4510, -29.1310

Conversions

Conversions Part 2

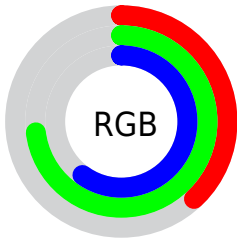
Format	Color
RYB	97, 152, 186
Decimal	6404761
CIELab	69.44, -34.64, 8.57
CIELCh	69, 35.684, 166.112
Yxy	39.9591, 0.2701, 0.3822
Android (android.graphics.Color)	4284594841 (0xFF61BA99)
YUV	155.6270, -1.2951, -51.4159
Hunter-Lab	63.2132, -30.8824, 10.1533

Details

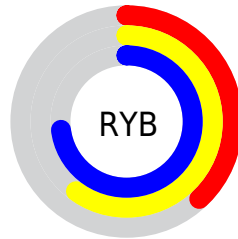
The Yxy color **39.9591, 0.2701, 0.3822** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.6069, 0.3924, 0.2832**, and the grayscale version is **33.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2816, 0.2783, 0.3724**, and **17.8932, 0.2564, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **38.8341, 0.2643, 0.3958**, and if you desaturate by 10%, it is **41.3401, 0.2774, 0.3693**.

Distribution



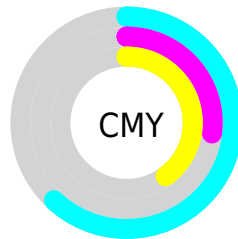
- Red (38%)
- Green (73%)
- Blue (60%)



- Red (38%)
- Yellow (60%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9591, 0.2701, 0.3822 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 39.9591, 0.2701, 0.3822 by changing the saturation by 10% instead.


 39.9591, 0.2701,
0.3822


 39.9591, 0.2701,
0.3822


345.9512, 0.2923,
0.3540

 27.5067, 0.2642,
0.3898


 75.1012, 0.2784,
0.3716


 17.9541, 0.2565,
0.3999


 98.5597, 0.2815,
0.3677

 10.9170, 0.2460,
0.4140


 126.4556, 0.2840,
0.3645

 6.0111, 0.2305,
0.4349

 159.1734, 0.2862,
0.3617

 2.8518, 0.2061,
0.4691

197.0975, 0.2880,
0.3594

 1.0549, 0.0848,
0.6057

240.6122, 0.2897,

 0.0000, 0.0000,

0.3574

0.0000

290.1020, 0.2911,
0.3556

■ 39.9591, 0.2701,
0.3822

■ 39.9591, 0.2701,
0.3822

■ 38.8341, 0.2643,
0.3958

■ 41.3401, 0.2774,
0.3693

■ 37.9430, 0.2602,
0.4099

■ 42.9878, 0.2858,
0.3573

■ 37.2680, 0.2580,
0.4242


■ 44.9181, 0.2950,
0.3462

■ 36.7864, 0.2578,
0.4384


■ 47.1442, 0.3048,
0.3362


■ 36.4636, 0.2594,
0.4525

■ 49.6786, 0.3149,
0.3271

 36.4022, 0.2599,
0.4555

 52.5328, 0.3251,
0.3190

 55.7180, 0.3352,
0.3119

 59.2448, 0.3451,
0.3056

 61.2905, 0.3470,
0.2992

Harmonies

Analogous

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



39.9591, 0.3198, 0.4180



39.9591, 0.2701, 0.3822



39.9591, 0.2338, 0.3298

Triad

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



39.9591, 0.2701, 0.3822



39.9591, 0.2530, 0.2458



39.9591, 0.4174, 0.3613

Complementary

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



39.9591, 0.2701, 0.3822



20.6069, 0.3924, 0.2832

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.



39.9591, 0.3972, 0.3200



39.9591, 0.2701, 0.3822



39.9591, 0.2985, 0.2565

Square

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



39.9591, 0.2701, 0.3822



39.9591, 0.2249, 0.2540



39.9591, 0.3521, 0.2829



39.9591, 0.4064, 0.3991

Rectangle

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



39.9591, 0.2701, 0.3822



39.9591, 0.2209, 0.2968



39.9591, 0.3521, 0.2829



39.9591, 0.4141, 0.3475

Sweetspot

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



39.9607, 0.2701, 0.3822



82.8059, 0.2985, 0.3425



40.8182, 0.3323, 0.4661



18.0489, 0.2964, 0.3447



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.



39.9607, 0.2701, 0.3822



70.3679, 0.2642, 0.3959



36.9906, 0.2472, 0.3127



10.1526, 0.3033, 0.3376



24.5046, 0.2594, 0.4537



0.8754, 0.2493, 0.4176

Inverse Universe

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



20.6069, 0.3924, 0.2832



31.2365, 0.4193, 0.2750



21.9036, 0.4350, 0.3439



9.0659, 0.3231, 0.3205



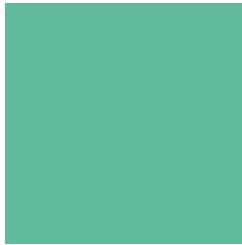
7.3259, 0.5462, 0.2782



0.2704, 0.4752, 0.2392

Previews

White Background



This preview shows how the Yxy color 39.9591, 0.2701, 0.3822 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 39.9591, 0.2701, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

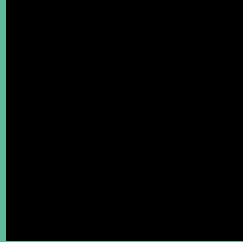
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9591, 0.2701, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 39.9591, 0.2701, 0.3822.



This preview shows how white text looks on a background with the Yxy color 39.9591, 0.2701, 0.3822.

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

39.9591, 0.2701, 0.3822

Protanopia

39.3660, 0.3424, 0.3626

Deuteranopia

39.4818, 0.3424, 0.3358



Tritanopia

39.8339, 0.2500, 0.3066

Trichromacy



Original Color

39.9591, 0.2701, 0.3822



Protanomaly

39.0624, 0.3116, 0.3710



Deuteranomaly

38.5940, 0.3117, 0.3510



Tritanomaly

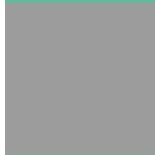
39.7544, 0.2571, 0.3319

Monochromacy



Original Color

39.9591, 0.2701, 0.3822



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.1549, 0.2940, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9591, 0.2701, 0.3822 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(97, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(97, 186, 153)  
}
```

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(97, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 186, 153) }
```

Border

The CSS property to change the border of an element to Yxy 39.9591, 0.2701, 0.3822 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(97, 186, 153) }
```

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

```
.border{ border-color:rgb(97, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(97, 186,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9591, 0.2701, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 186, 153) }
```

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

```
.background{ background-color: rgb(97, 186,  
153) }
```

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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