

Converting Colors

$Yxy(38.4459, 0.2667, 0.3799)$

Have a look what the booklet for
Yxy(38.4459, 0.2667, 0.3799)
contains.

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Color

Yxy(38.3581, 0.2666, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	5BB798
RGB	91, 183, 152
RGB Percent	36%, 72%, 60%
CMY	0.6430, 0.2824, 0.4039
CMYK	0.50, 0.00, 0.17, 0.28
HSL	160°, 39%, 54%
HSV	160°, 50%, 72%
XYZ	26.9183, 38.3581, 35.6925
YIQ	151.9580, -44.8810, -29.1450

Conversions

Conversions Part 2

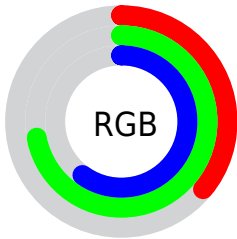
Format	Color
RYB	91, 146, 183
Decimal	6010776
CIELab	68.28, -34.94, 7.42
CIELCh	68, 35.718, 168.018
Yxy	38.3581, 0.2666, 0.3799
Android (android.graphics.Color)	4284200856 (0xFF5BB798)
YUV	151.9580, 0.0207, -53.4602
Hunter-Lab	61.9339, -30.8030, 9.1849

Details

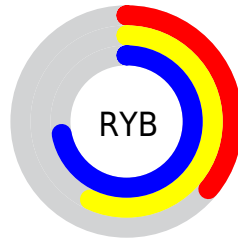
The Yxy color **38.3581, 0.2666, 0.3799** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.9620, 0.4033, 0.2855**, and the grayscale version is **31.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3923, 0.2758, 0.3694**, and **16.9161, 0.2516, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **37.3429, 0.2609, 0.3922**, and if you desaturate by 10%, it is **39.6137, 0.2739, 0.3682**.

Distribution



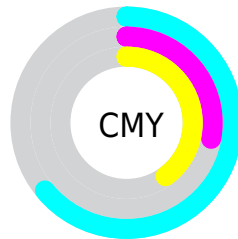
- Red (36%)
- Green (72%)
- Blue (60%)



- Red (36%)
- Yellow (57%)
- Blue (72%)



- Cyan (50%)
- Magenta (0%)
- Yellow (17%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3581, 0.2666, 0.3799 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 38.3581, 0.2666, 0.3799 by changing the saturation by 10% instead.


 38.3581, 0.2666,
0.3799

 38.3581, 0.2666,
0.3799


339.1536, 0.2907,
0.3528


 26.2607, 0.2602,
0.3872


 72.6567, 0.2756,
0.3697


 17.0188, 0.2518,
0.3970


 95.6267, 0.2789,
0.3659

 10.2479, 0.2403,
0.4107


 122.9897, 0.2817,
0.3628

 5.5636, 0.2234,
0.4311

 155.1301, 0.2840,
0.3602

 2.5816, 0.1967,
0.4648

192.4323, 0.2861,
0.3580

 0.9174, 0.0132,
0.6478

235.2807, 0.2878,

 0.0000, 0.0000,

0.3560

0.0000

284.0597, 0.2894,
0.3543

■ 38.3581, 0.2666,
0.3799

■ 38.3581, 0.2666,
0.3799

■ 37.3429, 0.2609,
0.3922

■ 39.6137, 0.2739,
0.3682

■ 36.5465, 0.2569,
0.4049

■ 41.1202, 0.2824,
0.3571

■ 35.9513, 0.2549,
0.4178

■ 42.8933, 0.2918,
0.3469

■ 35.5344, 0.2549,
0.4307

■ 44.9457, 0.3019,
0.3376

■ 35.2547, 0.2564,
0.4430

■ 47.2895, 0.3124,
0.3292

■ 49.9361, 0.3231,
0.3217

■ 52.8961, 0.3338,
0.3150

■ 56.1797, 0.3443,
0.3090

■ 59.6565, 0.3539,
0.3038

Harmonies

Analogous

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



38.3581, 0.3164, 0.4180



38.3581, 0.2666, 0.3799



38.3581, 0.2310, 0.3263

Triad

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



38.3581, 0.2666, 0.3799



38.3581, 0.2546, 0.2448



38.3581, 0.4192, 0.3643

Complementary

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



38.3581, 0.2666, 0.3799



18.9620, 0.4033, 0.2855

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.



38.3581, 0.4007, 0.3224



38.3581, 0.2666, 0.3799



38.3581, 0.3016, 0.2568

Square

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



38.3581, 0.2666, 0.3799



38.3581, 0.2250, 0.2518



38.3581, 0.3561, 0.2844



38.3581, 0.4061, 0.4021

Rectangle

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



38.3581, 0.2666, 0.3799



38.3581, 0.2190, 0.2934



38.3581, 0.3561, 0.2844



38.3581, 0.4165, 0.3503

Sweetspot

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



38.3596, 0.2666, 0.3799



78.5980, 0.2968, 0.3422



38.8499, 0.3301, 0.4746



17.1918, 0.2947, 0.3441



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.



38.3596, 0.2666, 0.3799



66.7632, 0.2605, 0.3932



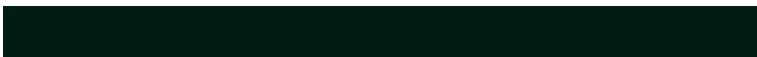
34.0971, 0.2438, 0.3068



10.1578, 0.3029, 0.3368



24.6080, 0.2560, 0.4415



0.8785, 0.2469, 0.4088

Inverse Universe

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



18.9620, 0.4033, 0.2855



28.1672, 0.4348, 0.2783



20.8924, 0.4417, 0.3488



9.0608, 0.3236, 0.3213



7.2749, 0.5594, 0.2855



0.2683, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 38.3581, 0.2666, 0.3799 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 38.3581, 0.2666, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

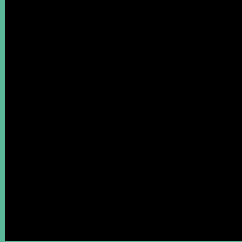
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3581, 0.2666, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 38.3581, 0.2666, 0.3799.



This preview shows how white text looks on a background with the Yxy color 38.3581, 0.2666, 0.3799.

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

38.3581, 0.2666, 0.3799

Protanopia

37.8921, 0.3411, 0.3603

Deuteranopia

37.8902, 0.3400, 0.3332



Tritanopia

38.1336, 0.2475, 0.3061

Trichromacy



Original Color

38.3581, 0.2666, 0.3799

Protanomaly

37.5097, 0.3091, 0.3687

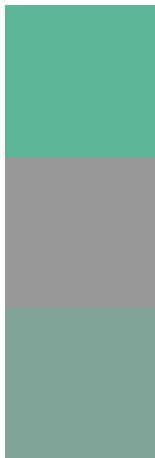
Deuteranomaly

36.9511, 0.3082, 0.3484

Tritanomaly

38.0672, 0.2547, 0.3320

Monochromacy



Original Color

38.3581, 0.2666, 0.3799

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.2072, 0.2919, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3581, 0.2666, 0.3799 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(91, 183, 152)` looks like.

```
.text, #text, p{  
    color:rgb(91, 183, 152)  
}
```

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(91, 183, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 183, 152) }
```

Border

The CSS property to change the border of an element to Yxy 38.3581, 0.2666, 0.3799 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(91, 183, 152) }
```

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

```
.border{ border-color:rgb(91, 183, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 183, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 183, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 183, 152);  
box-shadow:4px 4px 4px 4px rgb(91, 183,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3581, 0.2666, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 183, 152) }
```

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

```
.background{ background-color: rgb(91, 183,  
152) }
```

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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