

Converting Colors

$Y_{xy}(40.8785, 0.2573, 0.3706)$

Have a look what the booklet for
Yxy(40.8785, 0.2573, 0.3706)
contains.

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Color

Yxy(40.8785, 0.2573, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	53BDA3
RGB	83, 189, 163
RGB Percent	33%, 74%, 64%
CMY	0.6742, 0.2588, 0.3608
CMYK	0.56, 0.00, 0.14, 0.26
HSL	165°, 45%, 53%
HSV	165°, 56%, 74%
XYZ	28.3811, 40.8785, 41.0440
YIQ	154.3420, -54.8300, -30.5580

Conversions

Conversions Part 2

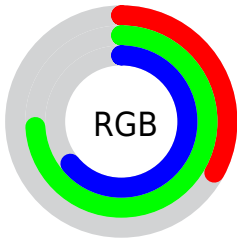
Format	Color
RYB	83, 143, 189
Decimal	5488035
CIELab	70.09, -36.89, 3.96
CIELCh	70, 37.097, 173.877
Yxy	40.8785, 0.2573, 0.3706
Android (android.graphics.Color)	4283678115 (0xFF53BDA3)
YUV	154.3420, 4.2684, -62.5669
Hunter-Lab	63.9363, -32.6530, 6.6941

Details

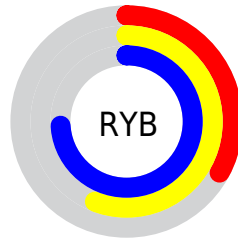
The Yxy color **40.8785, 0.2573, 0.3706** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.1240, 0.4362, 0.2945**, and the grayscale version is **32.4821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6362, 0.2678, 0.3626**, and **18.5015, 0.2409, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **39.9702, 0.2518, 0.3795**, and if you desaturate by 10%, it is **42.0305, 0.2645, 0.3620**.

Distribution



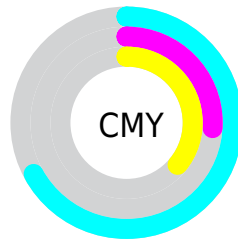
- Red (33%)
- Green (74%)
- Blue (64%)



- Red (33%)
- Yellow (56%)
- Blue (74%)



- Cyan (56%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)





- Cyan (67%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8785, 0.2573, 0.3706 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 40.8785, 0.2573, 0.3706 by changing the saturation by 10% instead.

 40.8785, 0.2573,
0.3706

 40.8785, 0.2573,
0.3706

349.8126, 0.2857,
0.3490

 28.2242, 0.2500,
0.3763


 76.4994, 0.2678,
0.3626

 18.4947, 0.2406,
0.3837

 100.2348, 0.2716,
0.3596

 11.3057, 0.2278,
0.3939


 128.4326, 0.2749,
0.3571

 6.2729, 0.2097,
0.4086

 161.4773, 0.2777,
0.3550

 3.0117, 0.1822,
0.4318

199.7533, 0.2801,
0.3532

 1.1378, 0.0721,
0.5082

243.6448, 0.2822,

 0.0100, 0.0000,

0.3516

1.0000

293.5365, 0.2840,
0.3502

■ 0.0000, 0.0000,
0.0000

■ 40.8785, 0.2573,
0.3706

■ 40.8785, 0.2573,
0.3706

■ 39.9702, 0.2518,
0.3795

■ 42.0305, 0.2645,
0.3620

■ 39.2811, 0.2483,
0.3886

■ 43.4388, 0.2732,
0.3538

■ 38.7901, 0.2467,
0.3977

■ 45.1207, 0.2831,
0.3462

■ 38.4683, 0.2470,
0.4067

■ 47.0906, 0.2940,
0.3391

■ 38.3640, 0.2473,
0.4103

■ 49.3622, 0.3055,
0.3326

■ 51.9479, 0.3175,
0.3268

■ 54.8596, 0.3296,
0.3215

■ 58.1085, 0.3417,
0.3169

■ 61.7055, 0.3536,
0.3128

Harmonies

Analogous

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



40.8785, 0.3059, 0.4144



40.8785, 0.2573, 0.3706



40.8785, 0.2251, 0.3158

Triad

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



40.8785, 0.2573, 0.3706



40.8785, 0.2618, 0.2445



40.8785, 0.4208, 0.3728

Complementary

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



40.8785, 0.2573, 0.3706



18.1240, 0.4362, 0.2945

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.



40.8785, 0.4083, 0.3304



40.8785, 0.2573, 0.3706



40.8785, 0.3121, 0.2601

Square

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



40.8785, 0.2573, 0.3706



40.8785, 0.2279, 0.2476



40.8785, 0.3670, 0.2906



40.8785, 0.4016, 0.4093

Rectangle

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



40.8785, 0.2573, 0.3706



40.8785, 0.2159, 0.2843



40.8785, 0.3670, 0.2906



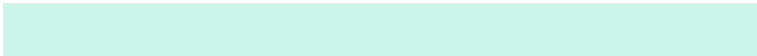
40.8785, 0.4203, 0.3589

Sweetspot

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



40.8801, 0.2573, 0.3706



83.8804, 0.2926, 0.3399



40.3058, 0.3225, 0.4973



17.8798, 0.2904, 0.3413



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.



40.8801, 0.2573, 0.3706



71.3094, 0.2510, 0.3813



31.5403, 0.2339, 0.2863



10.7684, 0.3017, 0.3347



25.8268, 0.2470, 0.4091



1.0214, 0.2410, 0.3876

Inverse Universe

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



18.1240, 0.4362, 0.2945



26.6108, 0.4805, 0.2908



22.5021, 0.4555, 0.3650



9.5738, 0.3251, 0.3234



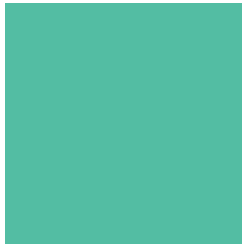
7.4244, 0.5916, 0.3033



0.3016, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 40.8785, 0.2573, 0.3706 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 40.8785, 0.2573, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

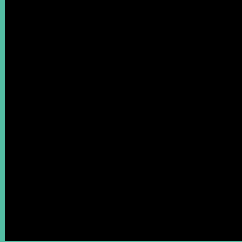
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8785, 0.2573, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 40.8785, 0.2573, 0.3706.

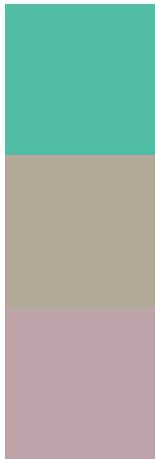


This preview shows how white text looks on a background with the Yxy color 40.8785, 0.2573, 0.3706.

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

40.8785, 0.2573, 0.3706

Protanopia

40.3965, 0.3339, 0.3526

Deuteranopia

40.3022, 0.3308, 0.3251



Tritanopia

40.8374, 0.2415, 0.3065

Trichromacy



Original Color

40.8785, 0.2573, 0.3706

Protanomaly

39.7182, 0.2994, 0.3589

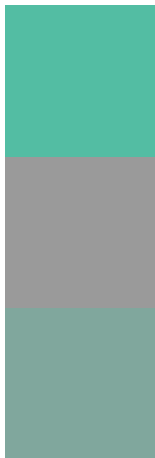
Deuteranomaly

39.4148, 0.2974, 0.3407

Tritanomaly

40.8871, 0.2472, 0.3288

Monochromacy



Original Color

40.8785, 0.2573, 0.3706

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.6609, 0.2865, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8785, 0.2573, 0.3706 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(83, 189, 163)` looks like.

```
.text, #text, p{  
    color:rgb(83, 189, 163)  
}
```

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(83, 189, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 189, 163) }
```

Border

The CSS property to change the border of an element to Yxy 40.8785, 0.2573, 0.3706 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(83, 189, 163) }
```

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

```
.border{ border-color:rgb(83, 189, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 189, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 189, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 189, 163);  
box-shadow:4px 4px 4px 4px rgb(83, 189,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8785, 0.2573, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 189, 163) }
```

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

```
.background{ background-color: rgb(83, 189,  
163) }
```

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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