

Converting Colors

$Y_{xy}(40.3940, 0.2659, 0.3957)$

Have a look what the booklet for
Yxy(40.3940, 0.2659, 0.3957)
contains.

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Color

Yxy(40.3723, 0.2661, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	53BD94
RGB	83, 189, 148
RGB Percent	33%, 74%, 58%
CMY	0.6747, 0.2588, 0.4195
CMYK	0.56, 0.00, 0.22, 0.26
HSL	157°, 45%, 53%
HSV	157°, 56%, 74%
XYZ	27.1084, 40.3723, 34.3924
YIQ	152.6320, -50.0150, -35.2230

Conversions

Conversions Part 2

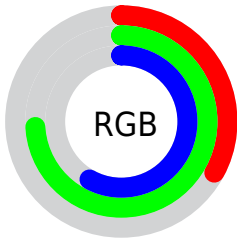
Format	Color
RYB	83, 149, 189
Decimal	5488020
CIELab	69.73, -40.42, 11.61
CIELCh	70, 42.054, 163.973
Yxy	40.3723, 0.2661, 0.3963
Android (android.graphics.Color)	4283678100 (0xFF53BD94)
YUV	152.6320, -2.2836, -61.0673
Hunter-Lab	63.5392, -35.0382, 12.3851

Details

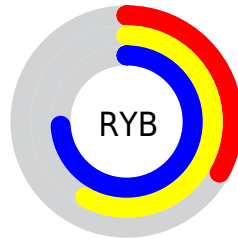
The Yxy color **40.3723, 0.2661, 0.3963** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.4519, 0.4117, 0.2741**, and the grayscale version is **31.7094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7513, 0.2752, 0.3829**, and **18.2362, 0.2514, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **39.4048, 0.2618, 0.4110**, and if you desaturate by 10%, it is **41.5919, 0.2721, 0.3822**.

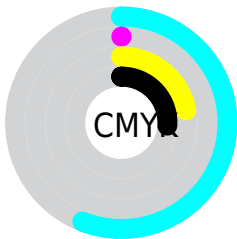
Distribution



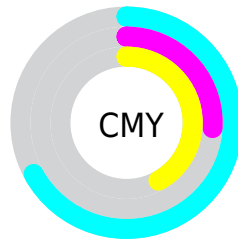
- Red (33%)
- Green (74%)
- Blue (58%)



- Red (33%)
- Yellow (58%)
- Blue (74%)



- Cyan (56%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)




- Cyan (67%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3723, 0.2661, 0.3963 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 40.3723, 0.2661, 0.3963 by changing the saturation by 10% instead.


 40.3723, 0.2661,
0.3963


 40.3723, 0.2661,
0.3963


347.6903, 0.2906,
0.3604

 27.8289, 0.2596,
0.4060


 75.7301, 0.2753,
0.3827


 18.1968, 0.2510,
0.4191

 99.3133, 0.2786,
0.3777

 11.0913, 0.2392,
0.4373


 127.3453, 0.2815,
0.3736

 6.1283, 0.2218,
0.4645

 160.2104, 0.2838,
0.3702

 2.9233, 0.1943,
0.5093

198.2931, 0.2859,
0.3672

 1.0918, 0.0252,
0.7323

241.9777, 0.2877,

 0.0000, 0.0000,

0.3646

0.0000

291.6486, 0.2892,
0.3624

■ 40.3723, 0.2661,
0.3963

■ 40.3723, 0.2661,
0.3963

■ 39.4048, 0.2618,
0.4110

■ 41.5919, 0.2721,
0.3822

■ 38.6646, 0.2594,
0.4259

■ 43.0764, 0.2794,
0.3689

■ 38.1305, 0.2590,
0.4408

■ 44.8433, 0.2878,
0.3565

■ 37.7731, 0.2606,
0.4555

■ 46.9073, 0.2970,
0.3451

■ 37.6587, 0.2614,
0.4611

■ 49.2821, 0.3067,
0.3348

■ 51.9803, 0.3166,
0.3255

■ 55.0142, 0.3266,
0.3173

■ 58.3950, 0.3364,
0.3100

■ 62.1337, 0.3461,
0.3036

Harmonies

Analogous

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



40.3723, 0.3242, 0.4367



40.3723, 0.2661, 0.3963



40.3723, 0.2232, 0.3335

Triad

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



40.3723, 0.2661, 0.3963



40.3723, 0.2401, 0.2329



40.3723, 0.4351, 0.3615

Complementary

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



40.3723, 0.2661, 0.3963



18.4519, 0.4117, 0.2741

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.



40.3723, 0.4091, 0.3144



40.3723, 0.2661, 0.3963



40.3723, 0.2914, 0.2440

Square

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



40.3723, 0.2661, 0.3963



40.3723, 0.2100, 0.2432



40.3723, 0.3542, 0.2729



40.3723, 0.4239, 0.4064

Rectangle

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



40.3723, 0.2661, 0.3963



40.3723, 0.2076, 0.2940



40.3723, 0.3542, 0.2729



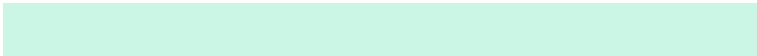
40.3723, 0.4305, 0.3456

Sweetspot

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



40.3739, 0.2661, 0.3963



83.5478, 0.2959, 0.3464



41.4100, 0.3351, 0.4909



17.8007, 0.2940, 0.3486



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.



40.3739, 0.2661, 0.3963



70.2775, 0.2612, 0.4139



37.5118, 0.2393, 0.3122



10.7454, 0.3035, 0.3380



25.3512, 0.2609, 0.4593



1.0055, 0.2512, 0.4243

Inverse Universe

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



18.4519, 0.4117, 0.2741



27.2477, 0.4462, 0.2668



19.3700, 0.4701, 0.3435



9.5958, 0.3229, 0.3202



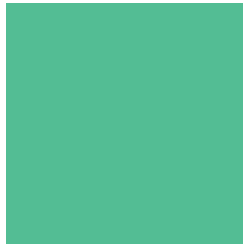
7.6171, 0.5404, 0.2751



0.3112, 0.4759, 0.2396

Previews

White Background



This preview shows how the Yxy color 40.3723, 0.2661, 0.3963 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 40.3723, 0.2661, 0.3963 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 40.3723, 0.2661, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 40.3723, 0.2661, 0.3963.

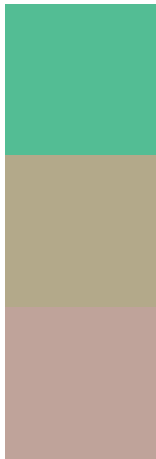


This preview shows how white text looks on a background with the Yxy color 40.3723, 0.2661, 0.3963.

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

40.3723, 0.2661, 0.3963

Protanopia

39.7946, 0.3495, 0.3722

Deuteranopia

39.6038, 0.3481, 0.3411



Tritanopia

40.1398, 0.2439, 0.3065

Trichromacy



Original Color

40.3723, 0.2661, 0.3963

Protanomaly

38.9330, 0.3120, 0.3807

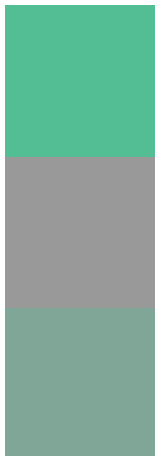
Deuteranomaly

38.4474, 0.3113, 0.3587

Tritanomaly

40.2798, 0.2518, 0.3381

Monochromacy



Original Color

40.3723, 0.2661, 0.3963

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.0960, 0.2911, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3723, 0.2661, 0.3963 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, 148)` looks like.

```
.text, #text, p{  
  color:rgb(83, 189, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 189, 148) }
```

Border

The CSS property to change the border of an element to Yxy 40.3723, 0.2661, 0.3963 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, 148) }
```

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

```
.border{ border-color:rgb(83, 189, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 189, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 189, 148);  
box-shadow:4px 4px 4px 4px rgb(83, 189,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3723, 0.2661, 0.3963 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, 148) }
```

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

```
.background{ background-color: rgb(83, 189,  
148) }
```

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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