

Converting Colors

$Y_{xy}(41.5970, 0.2540, 0.3896)$

Have a look what the booklet for
Yxy(41.5970, 0.2540, 0.3896)
contains.

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Color

Yxy(41.5970, 0.2540, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	3FC19C
RGB	63, 193, 156
RGB Percent	25%, 76%, 61%
CMY	0.7530, 0.2431, 0.3882
CMYK	0.67, 0.00, 0.19, 0.24
HSL	163°, 51%, 50%
HSV	163°, 67%, 76%
XYZ	27.1192, 41.5970, 38.0523
YIQ	149.9120, -65.6030, -39.0670

Conversions

Conversions Part 2

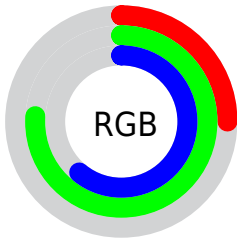
Format	Color
RYB	63, 139, 193
Decimal	4178332
CIELab	70.59, -44.08, 8.42
CIElCh	71, 44.872, 169.184
Yxy	41.5970, 0.2540, 0.3896
Android (android.graphics.Color)	4282368412 (0xFF3FC19C)
YUV	149.9120, 3.0014, -76.2218
Hunter-Lab	64.4957, -37.8118, 10.1661

Details

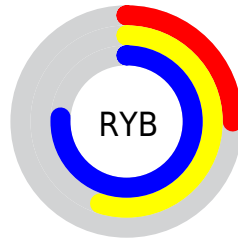
The Yxy color **41.5970, 0.2540, 0.3896** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.8100, 0.4688, 0.2843**, and the grayscale version is **30.4656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4600, 0.2656, 0.3780**, and **19.1969, 0.2461, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **40.8891, 0.2510, 0.4003**, and if you desaturate by 10%, it is **42.5392, 0.2589, 0.3791**.

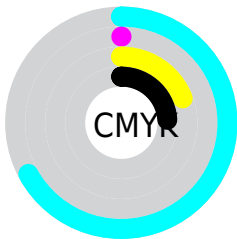
Distribution



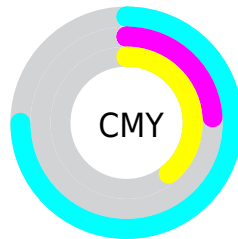
- Red (25%)
- Green (76%)
- Blue (61%)



- Red (25%)
- Yellow (55%)
- Blue (76%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)



- Cyan (75%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5970, 0.2540, 0.3896 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 41.5970, 0.2540, 0.3896 by changing the saturation by 10% instead.


 41.5970, 0.2540,
0.3896

 41.5970, 0.2540,
0.3896


352.8096, 0.2843,
0.3577


 28.7859, 0.2462,
0.3981


 77.5893, 0.2652,
0.3776


 18.9189, 0.2360,
0.4094


 101.5393, 0.2694,
0.3732


 11.6117, 0.2221,
0.4249


 129.9711, 0.2728,
0.3696

 6.4799, 0.2024,
0.4478

 163.2689, 0.2758,
0.3665

 3.1390, 0.1723,
0.4845

 201.8173, 0.2784,
0.3638

 1.2047, 0.0200,
0.6238

246.0006, 0.2806,

 0.0656, 0.0000,

0.3615

1.0000

296.2033, 0.2825,
0.3595

0.0000, 0.0000,
0.0000

41.5970, 0.2540,
0.3896

41.5970, 0.2540,
0.3896

40.8891, 0.2510,
0.4003

42.5392, 0.2589,
0.3791

40.3860, 0.2501,
0.4111

43.7319, 0.2655,
0.3689

40.0545, 0.2509,
0.4217

45.1954, 0.2737,
0.3592

39.9797, 0.2512,
0.4245

46.9464, 0.2831,
0.3502

49.0004, 0.2934,
0.3418

■ 51.3718, 0.3044,
0.3342

■ 54.0740, 0.3157,
0.3273

■ 57.1196, 0.3272,
0.3211

■ 60.5205, 0.3387,
0.3156

Harmonies

Analogous

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



41.5970, 0.3133, 0.4388



41.5970, 0.2540, 0.3896



41.5970, 0.2131, 0.3219

Triad

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



41.5970, 0.2540, 0.3896



41.5970, 0.2442, 0.2287



41.5970, 0.4426, 0.3711

Complementary

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



41.5970, 0.2540, 0.3896



15.8100, 0.4688, 0.2843

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.



41.5970, 0.4221, 0.3216



41.5970, 0.2540, 0.3896



41.5970, 0.3011, 0.2440

Square

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



41.5970, 0.2540, 0.3896



41.5970, 0.2087, 0.2351



41.5970, 0.3678, 0.2768



41.5970, 0.4239, 0.4171

Rectangle

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



41.5970, 0.2540, 0.3896



41.5970, 0.2000, 0.2822



41.5970, 0.3678, 0.2768



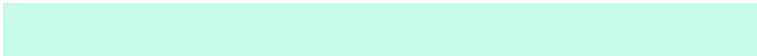
41.5970, 0.4402, 0.3545

Sweetspot

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



41.5986, 0.2540, 0.3896



86.6148, 0.2903, 0.3442



41.3248, 0.3258, 0.5291



18.3561, 0.2873, 0.3466



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5986, 0.2540, 0.3896



72.7438, 0.2503, 0.4056



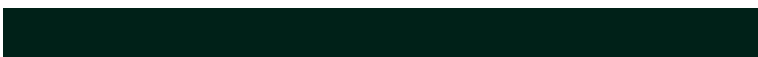
32.5436, 0.2247, 0.2869



11.3780, 0.3021, 0.3356



26.6038, 0.2509, 0.4231



1.1608, 0.2443, 0.3994

Inverse Universe

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



15.8100, 0.4688, 0.2843



23.3989, 0.5240, 0.2853



18.8383, 0.5065, 0.3606



10.1240, 0.3245, 0.3225



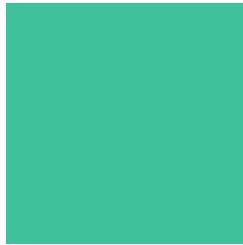
7.7358, 0.5791, 0.2964



0.3465, 0.5133, 0.2601

Previews

White Background



This preview shows how the Yxy color 41.5970, 0.2540, 0.3896 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 41.5970, 0.2540, 0.3896 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 41.5970, 0.2540, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 41.5970, 0.2540, 0.3896.



This preview shows how white text looks on a background with the Yxy color 41.5970, 0.2540, 0.3896.

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

41.5970, 0.2540, 0.3896

Protanopia

40.8735, 0.3437, 0.3649

Deuteranopia

40.5953, 0.3402, 0.3330



Tritanopia

41.6439, 0.2355, 0.3065

Trichromacy



Original Color

41.5970, 0.2540, 0.3896



Protanomaly

39.7285, 0.3005, 0.3748



Deuteranomaly

39.1273, 0.2979, 0.3513



Tritanomaly

41.4345, 0.2420, 0.3350

Monochromacy



Original Color

41.5970, 0.2540, 0.3896



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.3910, 0.2821, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5970, 0.2540, 0.3896 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(63, 193, 156)` looks like.

```
.text, #text, p{  
    color:rgb(63, 193, 156)  
}
```

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(63, 193, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 193, 156) }
```

Border

The CSS property to change the border of an element to Yxy 41.5970, 0.2540, 0.3896 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(63, 193, 156) }
```

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

```
.border{ border-color:rgb(63, 193, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 193, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 193, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 193, 156);  
box-shadow:4px 4px 4px 4px rgb(63, 193,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5970, 0.2540, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 193, 156) }
```

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

```
.background{ background-color: rgb(63, 193,  
156) }
```

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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