

Converting Colors

$Y_{xy}(41.7533, 0.2574, 0.3967)$

Have a look what the booklet for
Yxy(41.7533, 0.2574, 0.3967)
contains.

Yxy(41.5652, 0.2573, 0.3964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.5652, 0.2573, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	42C198
RGB	66, 193, 152
RGB Percent	26%, 76%, 60%
CMY	0.7416, 0.2431, 0.4039
CMYK	0.66, 0.00, 0.21, 0.24
HSL	161°, 51%, 51%
HSV	161°, 66%, 76%
XYZ	26.9796, 41.5652, 36.3119
YIQ	150.3530, -62.5310, -39.6750

Conversions

Conversions Part 2

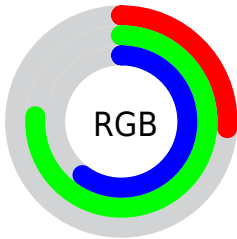
Format	Color
RYB	66, 142, 193
Decimal	4374936
CIELab	70.57, -44.55, 10.56
CIELCh	71, 45.781, 166.659
Yxy	41.5652, 0.2573, 0.3964
Android (android.graphics.Color)	4282565016 (0xFF42C198)
YUV	150.3530, 0.8120, -73.9776
Hunter-Lab	64.4711, -38.1263, 11.7360

Details

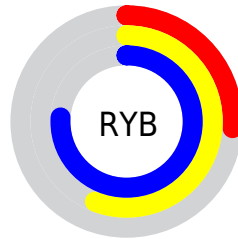
The Yxy color **41.5652, 0.2573, 0.3964** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.2825, 0.4545, 0.2784**, and the grayscale version is **30.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4166, 0.2683, 0.3830**, and **19.1165, 0.2489, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **40.8083, 0.2544, 0.4087**, and if you desaturate by 10%, it is **42.5621, 0.2622, 0.3844**.

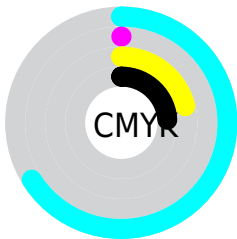
Distribution



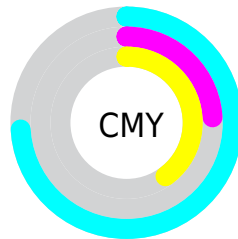
- Red (26%)
- Green (76%)
- Blue (60%)



- Red (26%)
- Yellow (56%)
- Blue (76%)



- Cyan (66%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (74%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5652, 0.2573, 0.3964 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 41.5652, 0.2573, 0.3964 by changing the saturation by 10% instead.


 41.5652, 0.2573,
0.3964


 41.5652, 0.2573,
0.3964


352.6773, 0.2861,
0.3607


 28.7610, 0.2498,
0.4060


 77.5411, 0.2680,
0.3829


 18.9001, 0.2399,
0.4188


 101.4817, 0.2720,
0.3780

 11.5981, 0.2265,
0.4365

 129.9031, 0.2753,
0.3739

 6.4706, 0.2072,
0.4628

 163.1898, 0.2781,
0.3705

 3.1333, 0.1773,
0.5053

 201.7262, 0.2805,
0.3675

 1.2017, 0.0141,
0.6820

245.8966, 0.2826,

 0.0631, 0.0000,

0.3649

1.0000

296.0856, 0.2844,
0.3627

0.0000, 0.0000,
0.0000

41.5652, 0.2573,
0.3964

41.5652, 0.2573,
0.3964

40.8083, 0.2544,
0.4087

42.5621, 0.2622,
0.3844

40.2624, 0.2534,
0.4210

43.8148, 0.2687,
0.3728

39.8992, 0.2544,
0.4332

45.3433, 0.2767,
0.3618

39.7770, 0.2551,
0.4382

47.1642, 0.2859,
0.3516

49.2929, 0.2958,
0.3422

■ 51.7436, 0.3064,
0.3336

■ 54.5296, 0.3172,
0.3259

■ 57.6634, 0.3282,
0.3190

■ 61.1571, 0.3391,
0.3129

Harmonies

Analogous

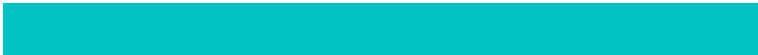
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5652, 0.3186, 0.4437



41.5652, 0.2573, 0.3964



41.5652, 0.2138, 0.3273

Triad

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



41.5652, 0.2573, 0.3964



41.5652, 0.2389, 0.2266



41.5652, 0.4450, 0.3674

Complementary

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



41.5652, 0.2573, 0.3964



16.2825, 0.4545, 0.2784

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.



41.5652, 0.4208, 0.3172



41.5652, 0.2573, 0.3964



41.5652, 0.2953, 0.2404

Square

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



41.5652, 0.2573, 0.3964



41.5652, 0.2049, 0.2350



41.5652, 0.3633, 0.2725



41.5652, 0.4289, 0.4150

Rectangle

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



41.5652, 0.2573, 0.3964



41.5652, 0.1990, 0.2857



41.5652, 0.3633, 0.2725



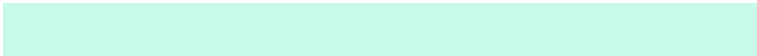
41.5652, 0.4415, 0.3505

Sweetspot

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



41.5668, 0.2573, 0.3964



86.5053, 0.2913, 0.3463



41.7418, 0.3291, 0.5229



18.3297, 0.2885, 0.3490



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.



41.5668, 0.2573, 0.3964



72.6068, 0.2537, 0.4141



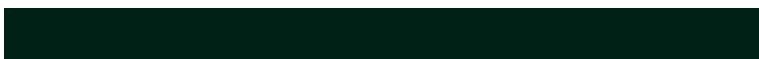
34.4439, 0.2277, 0.2951



11.3714, 0.3026, 0.3365



26.4682, 0.2546, 0.4366



1.1558, 0.2471, 0.4096

Inverse Universe

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



16.2825, 0.4545, 0.2784



24.0690, 0.5047, 0.2774



18.5607, 0.5048, 0.3550



10.1302, 0.3239, 0.3216



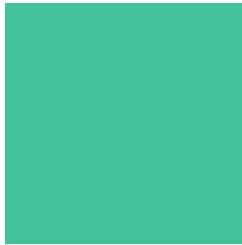
7.7870, 0.5655, 0.2889



0.3493, 0.5011, 0.2534

Previews

White Background



This preview shows how the Yxy color 41.5652, 0.2573, 0.3964 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 41.5652, 0.2573, 0.3964 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 41.5652, 0.2573, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 41.5652, 0.2573, 0.3964.

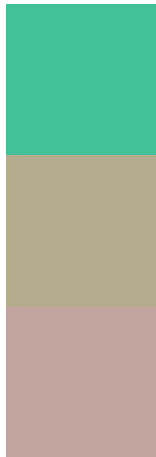


This preview shows how white text looks on a background with the Yxy color 41.5652, 0.2573, 0.3964.

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

41.5652, 0.2573, 0.3964

Protanopia

40.8727, 0.3482, 0.3703

Deuteranopia

40.7163, 0.3458, 0.3383



Tritanopia

41.3133, 0.2369, 0.3065

Trichromacy



Original Color

41.5652, 0.2573, 0.3964

Protanomaly

39.7735, 0.3052, 0.3808

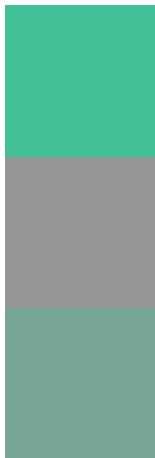
Deuteranomaly

39.2633, 0.3036, 0.3573

Tritanomaly

41.4764, 0.2443, 0.3381

Monochromacy



Original Color

41.5652, 0.2573, 0.3964

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.4287, 0.2837, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5652, 0.2573, 0.3964 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(66, 193, 152)` looks like.

```
.text, #text, p{  
    color:rgb(66, 193, 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(66, 193, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 193, 152) }
```

Border

The CSS property to change the border of an element to Yxy 41.5652, 0.2573, 0.3964 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(66, 193, 152) }
```

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

```
.border{ border-color:rgb(66, 193, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 193, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 193, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 193, 152);  
box-shadow:4px 4px 4px 4px rgb(66, 193,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5652, 0.2573, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 193, 152) }
```

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

```
.background{ background-color: rgb(66, 193,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor