

Converting Colors

$Yxy(41.6875, 0.2563, 0.3992)$

Have a look what the booklet for
Yxy(41.6875, 0.2563, 0.3992)
contains.

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Color

Yxy(41.8100, 0.2564, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	3DC297
RGB	61, 194, 151
RGB Percent	24%, 76%, 59%
CMY	0.7603, 0.2392, 0.4078
CMYK	0.68, 0.00, 0.22, 0.24
HSL	161°, 52%, 50%
HSV	161°, 68%, 76%
XYZ	26.8069, 41.8100, 35.9342
YIQ	149.3310, -65.4650, -41.5690

Conversions

Conversions Part 2

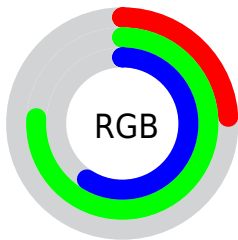
Format	Color
RYB	61, 140, 194
Decimal	4047511
CIELab	70.74, -45.98, 11.34
CIELCh	71, 47.357, 166.147
Yxy	41.8100, 0.2564, 0.3999
Android (android.graphics.Color)	4282237591 (0xFF3DC297)
YUV	149.3310, 0.8228, -77.4663
Hunter-Lab	64.6607, -39.1539, 12.3129

Details

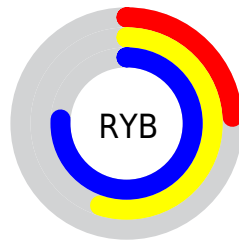
The Yxy color **41.8100, 0.2564, 0.3999** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.8200, 0.4633, 0.2774**, and the grayscale version is **30.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6872, 0.2672, 0.3857**, and **19.3853, 0.2501, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **41.1036, 0.2540, 0.4123**, and if you desaturate by 10%, it is **42.7533, 0.2608, 0.3877**.

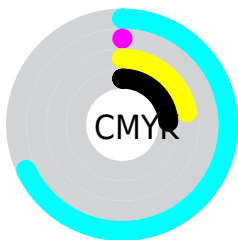
Distribution



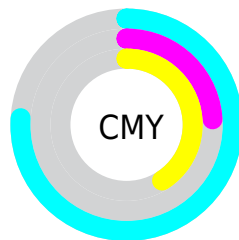
- Red (24%)
- Green (76%)
- Blue (59%)



- Red (24%)
- Yellow (55%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8100, 0.2564, 0.3999 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 41.8100, 0.2564, 0.3999 by changing the saturation by 10% instead.


 41.8100, 0.2564,
0.3999

 41.8100, 0.2564,
0.3999

353.6947, 0.2857,
0.3623


 28.9525, 0.2487,
0.4100


 77.9120, 0.2673,
0.3857


 19.0449, 0.2387,
0.4235


 101.9253, 0.2713,
0.3805

 11.7027, 0.2250,
0.4422


 130.4260, 0.2747,
0.3762

 6.5416, 0.2053,
0.4700

 163.7986, 0.2775,
0.3726

 3.1771, 0.1749,
0.5149

 202.4273, 0.2800,
0.3694

 1.2249, 0.0044,
0.7063

246.6967, 0.2821,

 0.0819, 0.0000,

0.3667

1.0000

296.9910, 0.2840,
0.3644

■ 0.0000, 0.0000,
0.0000

■ 41.8100, 0.2564,
0.3999

■ 41.8100, 0.2564,
0.3999

■ 41.1036, 0.2540,
0.4123

■ 42.7533, 0.2608,
0.3877

■ 40.6037, 0.2536,
0.4246

■ 43.9502, 0.2669,
0.3760

■ 40.2710, 0.2549,
0.4368

■ 45.4215, 0.2745,
0.3648

■ 40.2264, 0.2552,
0.4386

■ 47.1846, 0.2834,
0.3543

■ 49.2553, 0.2932,
0.3446

■ 51.6482, 0.3036,
0.3358

■ 54.3771, 0.3144,
0.3279

■ 57.4549, 0.3253,
0.3207

■ 60.8938, 0.3362,
0.3144

Harmonies

Analogous

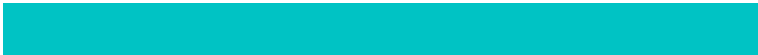
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8100, 0.3196, 0.4482



41.8100, 0.2564, 0.3999



41.8100, 0.2114, 0.3282

Triad

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



41.8100, 0.2564, 0.3999



41.8100, 0.2359, 0.2237



41.8100, 0.4491, 0.3672

Complementary

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



41.8100, 0.2564, 0.3999



15.8200, 0.4633, 0.2774

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.



41.8100, 0.4235, 0.3157



41.8100, 0.2564, 0.3999



41.8100, 0.2935, 0.2376

Square

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



41.8100, 0.2564, 0.3999



41.8100, 0.2015, 0.2326



41.8100, 0.3636, 0.2701



41.8100, 0.4329, 0.4164

Rectangle

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



41.8100, 0.2564, 0.3999



41.8100, 0.1960, 0.2851



41.8100, 0.3636, 0.2701



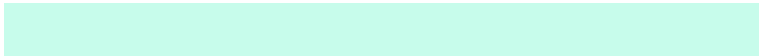
41.8100, 0.4453, 0.3498

Sweetspot

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



41.8117, 0.2564, 0.3999



88.1209, 0.2903, 0.3473



41.9477, 0.3288, 0.5302



19.0635, 0.2875, 0.3500



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.8117, 0.2564, 0.3999



73.9943, 0.2535, 0.4182



34.3379, 0.2256, 0.2935



11.3712, 0.3026, 0.3366



26.4646, 0.2547, 0.4370



1.1556, 0.2472, 0.4099

Inverse Universe

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



15.8200, 0.4633, 0.2774



23.8695, 0.5152, 0.2782



18.0332, 0.5162, 0.3552



10.1304, 0.3239, 0.3216



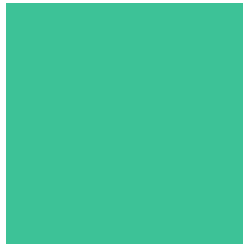
7.7885, 0.5651, 0.2887



0.3493, 0.5008, 0.2532

Previews

White Background



This preview shows how the Yxy color 41.8100, 0.2564, 0.3999 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 41.8100, 0.2564, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

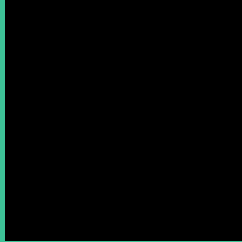
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8100, 0.2564, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 41.8100, 0.2564, 0.3999.

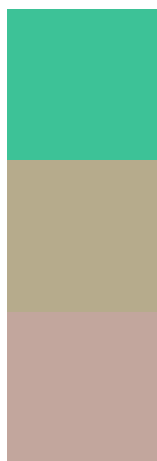


This preview shows how white text looks on a background with the Yxy color 41.8100, 0.2564, 0.3999.

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

41.8100, 0.2564, 0.3999

Protanopia

40.9644, 0.3500, 0.3716

Deuteranopia

41.1761, 0.3475, 0.3409



Tritanopia

41.6439, 0.2355, 0.3065

Trichromacy



Original Color

41.8100, 0.2564, 0.3999



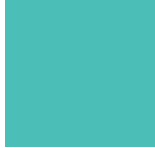
Protanomaly

39.6571, 0.3052, 0.3825



Deuteranomaly

39.5282, 0.3035, 0.3603



Tritanomaly

41.7417, 0.2430, 0.3397

Monochromacy



Original Color

41.8100, 0.2564, 0.3999



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.8942, 0.2827, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8100, 0.2564, 0.3999 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(61, 194, 151)` looks like.

```
.text, #text, p{  
    color:rgb(61, 194, 151)  
}
```

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(61, 194, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 194, 151) }
```

Border

The CSS property to change the border of an element to Yxy 41.8100, 0.2564, 0.3999 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(61, 194, 151) }
```

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

```
.border{ border-color:rgb(61, 194, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 194, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 194, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 194, 151);  
box-shadow:4px 4px 4px 4px rgb(61, 194,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8100, 0.2564, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 194, 151) }
```

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

```
.background{ background-color: rgb(61, 194,  
151) }
```

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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