

Converting Colors

$Yxy(42.0006, 0.2596, 0.4040)$

Have a look what the booklet for
Yxy(42.0006, 0.2596, 0.4040)
contains.

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Color

Yxy(41.9117, 0.2593, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	42C295
RGB	66, 194, 149
RGB Percent	26%, 76%, 58%
CMY	0.7414, 0.2392, 0.4157
CMYK	0.66, 0.00, 0.23, 0.24
HSL	159°, 51%, 51%
HSV	159°, 66%, 76%
XYZ	26.9603, 41.9117, 35.1014
YIQ	150.5980, -61.8430, -41.1310

Conversions

Conversions Part 2

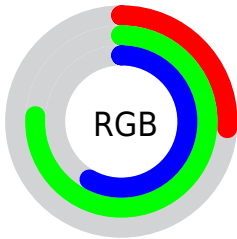
Format	Color
RYB	66, 144, 194
Decimal	4375189
CIELab	70.81, -45.66, 12.54
CIELCh	71, 47.348, 164.647
Yxy	41.9117, 0.2593, 0.4031
Android (android.graphics.Color)	4282565269 (0xFF42C295)
YUV	150.5980, -0.7878, -74.1924
Hunter-Lab	64.7392, -38.9583, 13.1706

Details

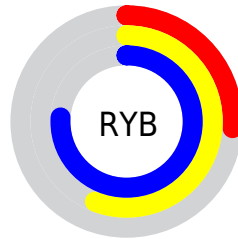
The Yxy color **41.9117, 0.2593, 0.4031** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.5073, 0.4484, 0.2735**, and the grayscale version is **30.7845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8954, 0.2699, 0.3880**, and **19.3471, 0.2515, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **41.1391, 0.2566, 0.4166**, and if you desaturate by 10%, it is **42.9288, 0.2639, 0.3899**.

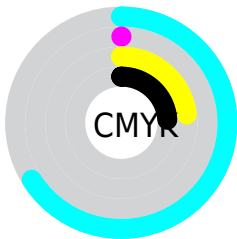
Distribution



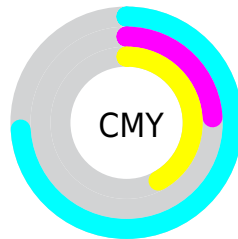
- Red (26%)
- Green (76%)
- Blue (58%)



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



- Cyan (66%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)





- Cyan (74%)
- Magenta (24%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9117, 0.2593, 0.4031 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 41.9117, 0.2593, 0.4031 by changing the saturation by 10% instead.


 41.9117, 0.2593,
0.4031


 41.9117, 0.2593,
0.4031

354.1168, 0.2872,
0.3637

 29.0322, 0.2520,
0.4137


 78.0660, 0.2697,
0.3882


 19.1051, 0.2423,
0.4279


 102.1095, 0.2735,
0.3828


 11.7463, 0.2291,
0.4477


 130.6431, 0.2767,
0.3783

 6.5712, 0.2100,
0.4770

 164.0513, 0.2795,
0.3744

 3.1954, 0.1802,
0.5246

 202.7183, 0.2818,
0.3712

 1.2346, 0.0136,
0.7331

247.0286, 0.2838,

 0.0897, 0.0000,

0.3683

1.0000

297.3667, 0.2856,
0.3659

■ 0.0000, 0.0000,
0.0000

■ 41.9117, 0.2593,
0.4031

■ 41.9117, 0.2593,
0.4031

■ 41.1391, 0.2566,
0.4166

■ 42.9288, 0.2639,
0.3899

■ 40.5815, 0.2560,
0.4301

■ 44.2064, 0.2702,
0.3771

■ 40.2099, 0.2572,
0.4435

■ 45.7650, 0.2779,
0.3651

■ 40.0888, 0.2580,
0.4487

■ 47.6214, 0.2867,
0.3539

■ 49.7912, 0.2963,
0.3435

■ 52.2888, 0.3065,
0.3342

■ 55.1279, 0.3169,
0.3257

■ 58.3213, 0.3274,
0.3182

■ 61.8809, 0.3378,
0.3116

Harmonies

Analogous

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



41.9117, 0.3230, 0.4493



41.9117, 0.2593, 0.4031



41.9117, 0.2131, 0.3318

Triad

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



41.9117, 0.2593, 0.4031



41.9117, 0.2337, 0.2237



41.9117, 0.4488, 0.3645

Complementary

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



41.9117, 0.2593, 0.4031



16.5073, 0.4484, 0.2735

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.



41.9117, 0.4211, 0.3133



41.9117, 0.2593, 0.4031



41.9117, 0.2902, 0.2365

Square

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



41.9117, 0.2593, 0.4031



41.9117, 0.2006, 0.2337



41.9117, 0.3601, 0.2682



41.9117, 0.4345, 0.4141

Rectangle

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



41.9117, 0.2593, 0.4031



41.9117, 0.1969, 0.2880



41.9117, 0.3601, 0.2682



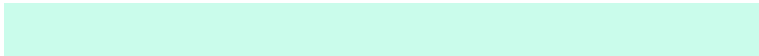
41.9117, 0.4442, 0.3472

Sweetspot

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



41.9134, 0.2593, 0.4031



88.4359, 0.2921, 0.3479



42.4840, 0.3323, 0.5214



19.1225, 0.2893, 0.3509



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.



41.9134, 0.2593, 0.4031



74.0532, 0.2561, 0.4224



36.4696, 0.2293, 0.3019



11.3664, 0.3030, 0.3372



26.3709, 0.2575, 0.4470



1.1521, 0.2493, 0.4174

Inverse Universe

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



16.5073, 0.4484, 0.2735



24.7599, 0.4958, 0.2718



18.0529, 0.5100, 0.3497



10.1351, 0.3235, 0.3209



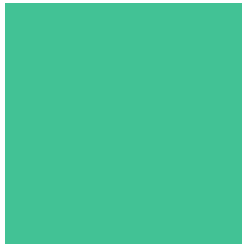
7.8308, 0.5545, 0.2828



0.3515, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 41.9117, 0.2593, 0.4031 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 41.9117, 0.2593, 0.4031 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 41.9117, 0.2593, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 41.9117, 0.2593, 0.4031.

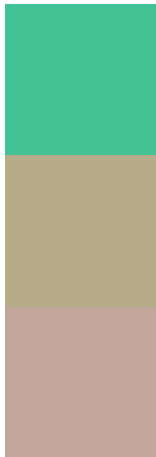


This preview shows how white text looks on a background with the Yxy color 41.9117, 0.2593, 0.4031.

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

41.9117, 0.2593, 0.4031

Protanopia

41.2851, 0.3515, 0.3757

Deuteranopia

41.2411, 0.3503, 0.3435



Tritanopia

41.8312, 0.2372, 0.3066

Trichromacy



Original Color

41.9117, 0.2593, 0.4031



Protanomaly

40.1710, 0.3083, 0.3868



Deuteranomaly

39.6465, 0.3068, 0.3632



Tritanomaly

41.9081, 0.2446, 0.3396

Monochromacy



Original Color

41.9117, 0.2593, 0.4031



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.8325, 0.2854, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9117, 0.2593, 0.4031 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, 194, 149)` looks like.

```
.text, #text, p{  
    color:rgb(66, 194, 149)  
}
```

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, 194, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 194, 149) }
```

Border

The CSS property to change the border of an element to Yxy 41.9117, 0.2593, 0.4031 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, 194, 149) }
```

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

```
.border{ border-color:rgb(66, 194, 149) }
```

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

Here you see how a box with a 4 pixel rgb(66, 194, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 194, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 194, 149);  
box-shadow:4px 4px 4px 4px rgb(66, 194,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9117, 0.2593, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 194, 149) }
```

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

```
.background{ background-color: rgb(66, 194,  
149) }
```

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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