

Converting Colors

$Yxy(40.7688, 0.2287, 0.3963)$

Have a look what the booklet for
Yxy(40.7688, 0.2287, 0.3963)
contains.

Yxy(41.9142, 0.2428, 0.3941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9142, 0.2428, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	00C49D
RGB	0, 196, 157
RGB Percent	0%, 77%, 62%
CMY	1.0000, 0.2313, 0.3844
CMYK	1.00, 0.00, 0.20, 0.23
HSL	168°, 100%, 38%
HSV	168°, 100%, 77%
XYZ	25.8228, 41.9142, 38.6172
YIQ	132.9500, -104.2970, -53.6810

Conversions

Conversions Part 2

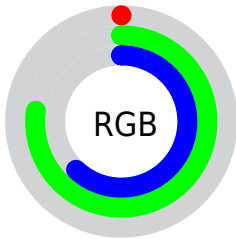
Format	Color
RYB	0, 109, 196
Decimal	50333
CIELab	70.81, -50.35, 8.11
CIElCh	71, 51.001, 170.855
Yxy	41.9142, 0.2428, 0.3941
Android (android.graphics.Color)	4278240413 (0xFF00C49D)
YUV	132.9500, 11.8567, -116.5971
Hunter-Lab	64.7412, -42.1002, 9.9532

Details

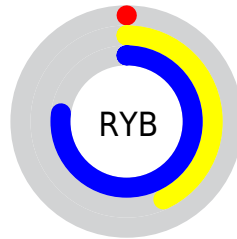
The Yxy color **41.9142, 0.2428, 0.3941** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.8834, 0.6086, 0.3126**, and the grayscale version is **23.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3464, 0.2558, 0.3811**, and **20.0904, 0.2470, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **41.9166, 0.2428, 0.3941**, and if you desaturate by 10%, it is **42.1966, 0.2425, 0.3869**.

Distribution



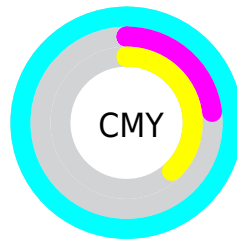
- Red (0%)
- Green (77%)
- Blue (62%)



- Red (0%)
- Yellow (43%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9142, 0.2428, 0.3941 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 41.9142, 0.2428, 0.3941 by changing the saturation by 10% instead.


 41.9142, 0.2428,
0.3941


 41.9142, 0.2428,
0.3941

354.1271, 0.2787,
0.3599


 29.0341, 0.2336,
0.4032


 78.0698, 0.2560,
0.3813


 19.1066, 0.2217,
0.4151


 102.1140, 0.2609,
0.3766


 11.7474, 0.2057,
0.4316


 130.6484, 0.2651,
0.3727

 6.5719, 0.1831,
0.4557

 164.0575, 0.2686,
0.3693

 3.1958, 0.1493,
0.4938

 202.7254, 0.2716,
0.3665

 1.2348, 0.0000,
0.6264

247.0368, 0.2743,

 0.0899, 0.0000,

0.3640

1.0000

297.3759, 0.2766,
0.3618

■ 0.0000, 0.0000,
0.0000

■ 41.9142, 0.2428,
0.3941

■ 41.9142, 0.2428,
0.3941

■ 41.9166, 0.2428,
0.3941

■ 42.1966, 0.2425,
0.3869

■ 42.6271, 0.2437,
0.3797

■ 43.2596, 0.2468,
0.3725

■ 44.1211, 0.2519,
0.3653

■ 45.2340, 0.2588,
0.3583

■ 46.6183, 0.2673,
0.3516

■ 48.2919, 0.2772,
0.3453

■ 50.2711, 0.2883,
0.3394

■ 52.5709, 0.3002,
0.3340

Harmonies

Analogous

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



41.9142, 0.3081, 0.4532



41.9142, 0.2428, 0.3941



41.9142, 0.1994, 0.3158

Triad

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



41.9142, 0.2428, 0.3941



41.9142, 0.2387, 0.2178



41.9142, 0.4592, 0.3772

Complementary

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



41.9142, 0.2428, 0.3941



11.8834, 0.6086, 0.3126

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.



41.9142, 0.4392, 0.3225



41.9142, 0.2428, 0.3941



41.9142, 0.3032, 0.2359

Square

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



41.9142, 0.2428, 0.3941



41.9142, 0.1983, 0.2228



41.9142, 0.3789, 0.2730



41.9142, 0.4347, 0.4289

Rectangle

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



41.9142, 0.2428, 0.3941



41.9142, 0.1865, 0.2720



41.9142, 0.3789, 0.2730



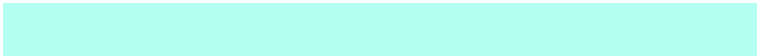
41.9142, 0.4578, 0.3588

Sweetspot

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



41.9166, 0.2428, 0.3941



87.3217, 0.2768, 0.3456



39.9183, 0.3067, 0.5947



18.4008, 0.2724, 0.3483



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.



41.9166, 0.2428, 0.3941



75.8904, 0.2431, 0.3952



21.9355, 0.1966, 0.2277



11.3930, 0.3010, 0.3336



26.9436, 0.2425, 0.3931



1.1731, 0.2381, 0.3771

Inverse Universe

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



11.8834, 0.6086, 0.3126



21.4970, 0.6118, 0.3144



14.8443, 0.5968, 0.3643



10.1100, 0.3258, 0.3244



7.6450, 0.6055, 0.3109



0.3403, 0.5439, 0.2770

Previews

White Background



This preview shows how the Yxy color 41.9142, 0.2428, 0.3941 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 41.9142, 0.2428, 0.3941 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 41.9142, 0.2428, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 41.9142, 0.2428, 0.3941.

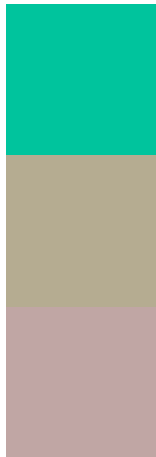


This preview shows how white text looks on a background with the Yxy color 41.9142, 0.2428, 0.3941.

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

41.9142, 0.2428, 0.3941

Protanopia

41.3731, 0.3444, 0.3661

Deuteranopia

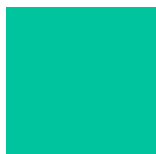
41.1592, 0.3391, 0.3317



Tritanopia

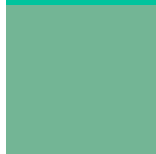
41.7328, 0.2265, 0.3048

Trichromacy



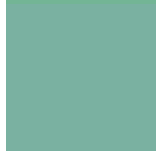
Original Color

41.9142, 0.2428, 0.3941



Protanomaly

38.8625, 0.2837, 0.3799



Deuteranomaly

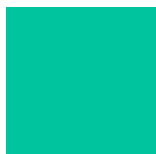
38.1551, 0.2799, 0.3538



Tritanomaly

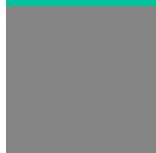
41.7422, 0.2306, 0.3350

Monochromacy



Original Color

41.9142, 0.2428, 0.3941



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.6612, 0.2629, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9142, 0.2428, 0.3941 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(0, 196, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 157)  
}
```

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(0, 196, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 157) }
```

Border

The CSS property to change the border of an element to Yxy 41.9142, 0.2428, 0.3941 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(0, 196, 157) }
```

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

```
.border{ border-color:rgb(0, 196, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9142, 0.2428, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 157) }
```

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

```
.background{ background-color: rgb(0, 196,  
157) }
```

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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