

Converting Colors

$Y_{xy}(41.8569, 0.2613, 0.4586)$

Have a look what the booklet for
Yxy(41.8569, 0.2613, 0.4586)
contains.

Yxy(41.8569, 0.2613, 0.4586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.8569, 0.2613, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	06C67B
RGB	6, 198, 123
RGB Percent	2%, 78%, 48%
CMY	0.9746, 0.2235, 0.5176
CMYK	0.97, 0.00, 0.38, 0.22
HSL	157°, 94%, 40%
HSV	157°, 97%, 78%
XYZ	23.8491, 41.8569, 25.5650
YIQ	132.0420, -90.3570, -64.0290

Conversions

Conversions Part 2

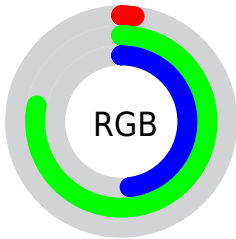
Format	Color
RYB	6, 125, 198
Decimal	444027
CIELab	70.77, -58.65, 26.22
CIELCh	71, 64.247, 155.911
Yxy	41.8569, 0.2613, 0.4586
Android (android.graphics.Color)	4278634107 (0xFF06C67B)
YUV	132.0420, -4.4577, -110.5388
Hunter-Lab	64.6969, -47.4194, 21.8594

Details

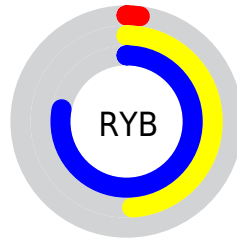
The Yxy color **41.8569, 0.2613, 0.4586** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.7465, 0.5331, 0.2734**, and the grayscale version is **23.1840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4213, 0.2723, 0.4305**, and **20.1260, 0.2705, 0.4938** is the 20% darker color. If you saturate the color by 10%, you get **41.7542, 0.2621, 0.4634**, and if you desaturate by 10%, it is **42.2419, 0.2596, 0.4438**.

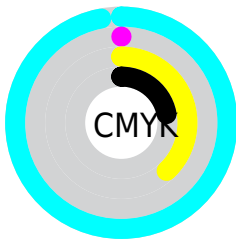
Distribution



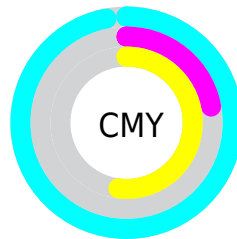
- Red (2%)
- Green (78%)
- Blue (48%)



- Red (2%)
- Yellow (49%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (38%)
- Black (22%)




- Cyan (97%)
- Magenta (22%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8569, 0.2613, 0.4586 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 41.8569, 0.2613, 0.4586 by changing the saturation by 10% instead.

 41.8569, 0.2613,
0.4586


 41.8569, 0.2613,
0.4586

353.8894, 0.2899,
0.3878

 28.9893, 0.2532,
0.4783


 77.9830, 0.2724,
0.4314


 19.0727, 0.2422,
0.5048


 102.0103, 0.2763,
0.4216


 11.7228, 0.2264,
0.5420


 130.5262, 0.2796,
0.4135

 6.5552, 0.2025,
0.5976

 163.9151, 0.2823,
0.4067

 3.1855, 0.1635,
0.6910

 202.5615, 0.2846,
0.4010

 1.2294, 0.0000,
1.0000

246.8498, 0.2866,

 0.0855, 0.0000,

0.3960

1.0000

297.1643, 0.2883,
0.3916

■ 0.0000, 0.0000,
0.0000

■ 41.8569, 0.2613,
0.4586

■ 41.8569, 0.2613,
0.4586

■ 41.7542, 0.2621,
0.4634

■ 42.2419, 0.2596,
0.4438

■ 42.8188, 0.2597,
0.4286

■ 43.6237, 0.2619,
0.4134

■ 44.6828, 0.2660,
0.3984

■ 46.0185, 0.2718,
0.3840

■ 47.6507, 0.2791,
0.3704

■ 49.5974, 0.2874,
0.3577

■ 51.8751, 0.2965,
0.3461

■ 54.4994, 0.3061,
0.3355

Harmonies

Analogous

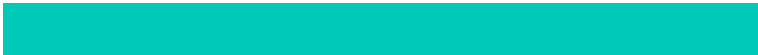
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8569, 0.3468, 0.5017



41.8569, 0.2613, 0.4586



41.8569, 0.1948, 0.3595

Triad

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



41.8569, 0.2613, 0.4586



41.8569, 0.1939, 0.1935



41.8569, 0.4911, 0.3495

Complementary

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



41.8569, 0.2613, 0.4586



12.7465, 0.5331, 0.2734

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.



41.8569, 0.4389, 0.2877



41.8569, 0.2613, 0.4586



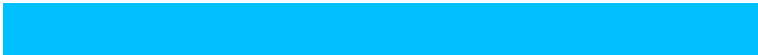
41.8569, 0.2569, 0.2027

Square

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



41.8569, 0.2613, 0.4586



41.8569, 0.1626, 0.2127



41.8569, 0.3471, 0.2359



41.8569, 0.4834, 0.4150

Rectangle

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



41.8569, 0.2613, 0.4586



41.8569, 0.1690, 0.2942



41.8569, 0.3471, 0.2359



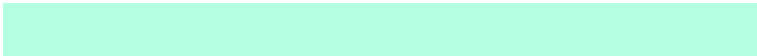
41.8569, 0.4801, 0.3283

Sweetspot

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



41.8586, 0.2613, 0.4586



86.8435, 0.2850, 0.3610



42.2432, 0.3255, 0.5776



18.2680, 0.2814, 0.3665



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.



41.8586, 0.2613, 0.4586



73.8922, 0.2626, 0.4655



36.2962, 0.2166, 0.2982



11.9945, 0.3035, 0.3382



27.1722, 0.2615, 0.4614



1.3005, 0.2529, 0.4306

Inverse Universe

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



12.7465, 0.5331, 0.2734



22.1768, 0.5461, 0.2782



12.7415, 0.6262, 0.3369



10.7046, 0.3229, 0.3200



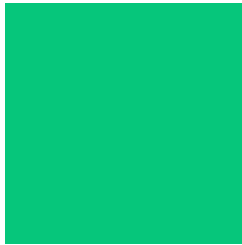
8.1766, 0.5390, 0.2743



0.4013, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 41.8569, 0.2613, 0.4586 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 41.8569, 0.2613, 0.4586 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 41.8569, 0.2613, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 41.8569, 0.2613, 0.4586.

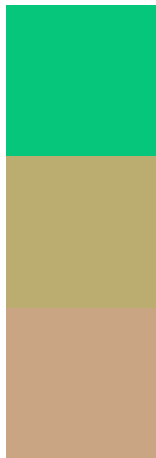


This preview shows how white text looks on a background with the Yxy color 41.8569, 0.2613, 0.4586.

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

41.8569, 0.2613, 0.4586

Protanopia

41.2397, 0.3791, 0.4096

Deuteranopia

41.1055, 0.3803, 0.3730



Tritanopia

41.6657, 0.2304, 0.3049

Trichromacy



Original Color

41.8569, 0.2613, 0.4586



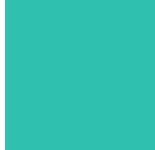
Protanomaly

38.3736, 0.3117, 0.4340



Deuteranomaly

37.8281, 0.3116, 0.4067



Tritanomaly

41.4228, 0.2391, 0.3561

Monochromacy



Original Color

41.8569, 0.2613, 0.4586



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.3403, 0.2733, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8569, 0.2613, 0.4586 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(6, 198, 123)` looks like.

```
.text, #text, p{  
    color:rgb(6, 198, 123)  
}
```

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(6, 198, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 198, 123) }
```

Border

The CSS property to change the border of an element to Yxy 41.8569, 0.2613, 0.4586 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(6, 198, 123) }
```

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

```
.border{ border-color:rgb(6, 198, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 198, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 198, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 198, 123);  
box-shadow:4px 4px 4px 4px rgb(6, 198,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8569, 0.2613, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 198, 123) }
```

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

```
.background{ background-color: rgb(6, 198,  
123) }
```

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