

Converting Colors

$Y_{xy}(39.3590, 0.1802, 0.4187)$

Have a look what the booklet for
Yxy(39.3590, 0.1802, 0.4187)
contains.

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Color

Yxy(44.6076, 0.2461, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	00CA9B
RGB	0, 202, 155
RGB Percent	0%, 79%, 61%
CMY	1.0000, 0.2078, 0.3921
CMYK	1.00, 0.00, 0.23, 0.21
HSL	166°, 100%, 40%
HSV	166°, 100%, 79%
XYZ	27.0326, 44.6076, 38.2037
YIQ	136.2440, -105.3050, -57.4410

Conversions

Conversions Part 2

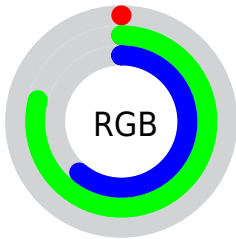
Format	Color
RYB	0, 114, 202
Decimal	51867
CIELab	72.63, -53.22, 11.75
CIELCh	73, 54.504, 167.548
Yxy	44.6076, 0.2461, 0.4061
Android (android.graphics.Color)	4278241947 (0xFF00CA9B)
YUV	136.2440, 9.2467, -119.4860
Hunter-Lab	66.7889, -44.6334, 12.8380

Details

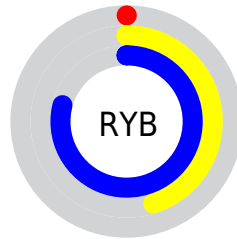
The Yxy color **44.6076, 0.2461, 0.4061** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.7631, 0.5997, 0.3077**, and the grayscale version is **24.7140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9482, 0.2580, 0.3861**, and **21.8669, 0.2514, 0.4251** is the 20% darker color. If you saturate the color by 10%, you get **44.6130, 0.2461, 0.4061**, and if you desaturate by 10%, it is **44.9249, 0.2455, 0.3976**.

Distribution



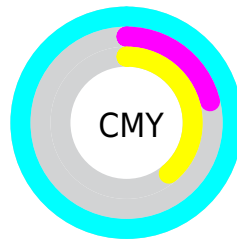
- Red (0%)
- Green (79%)
- Blue (61%)



- Red (0%)
- Yellow (45%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6076, 0.2461, 0.4061 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 44.6076, 0.2461, 0.4061 by changing the saturation by 10% instead.


 44.6076, 0.2461,
0.4061

 44.6076, 0.2461,
0.4061


365.1820, 0.2803,
0.3656


 31.1485, 0.2373,
0.4169


 82.1313, 0.2587,
0.3909


 20.7119, 0.2260,
0.4311


 106.9646, 0.2634,
0.3853


 12.9136, 0.2107,
0.4506


 136.3581, 0.2673,
0.3807

 7.3691, 0.1892,
0.4792

 170.6961, 0.2707,
0.3767

 3.6940, 0.1569,
0.5242

 210.3631, 0.2736,
0.3733

 1.5039, 0.0134,
0.6729

255.7435, 0.2761,

 0.2915, 0.0000,

0.3704

1.0000

307.2217, 0.2783,
0.3678

■ 0.0000, 0.0000,
0.0000

■ 44.6076, 0.2461,
0.4061

■ 44.6076, 0.2461,
0.4061

■ 44.6130, 0.2461,
0.4061

■ 44.9249, 0.2455,
0.3976

■ 45.4005, 0.2463,
0.3890

■ 46.0943, 0.2492,
0.3804

■ 47.0353, 0.2539,
0.3718

■ 48.2479, 0.2606,
0.3636

■ 49.7535, 0.2688,
0.3556

■ 51.5714, 0.2784,
0.3482

■ 53.7192, 0.2892,
0.3412

■ 56.2132, 0.3007,
0.3348

Harmonies

Analogous

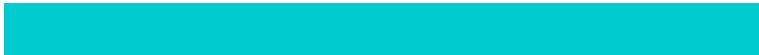
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6076, 0.3156, 0.4635



44.6076, 0.2461, 0.4061



44.6076, 0.1982, 0.3234

Triad

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



44.6076, 0.2461, 0.4061



44.6076, 0.2295, 0.2128



44.6076, 0.4659, 0.3720

Complementary

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



44.6076, 0.2461, 0.4061



12.7631, 0.5997, 0.3077

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.



44.6076, 0.4399, 0.3157



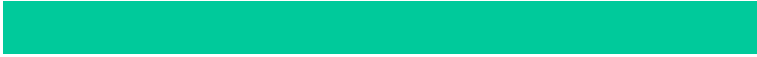
44.6076, 0.2461, 0.4061



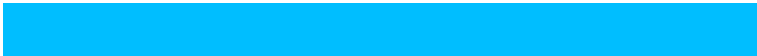
44.6076, 0.2941, 0.2292

Square

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



44.6076, 0.2461, 0.4061



44.6076, 0.1909, 0.2206



44.6076, 0.3733, 0.2656



44.6076, 0.4444, 0.4269

Rectangle

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



44.6076, 0.2461, 0.4061



44.6076, 0.1828, 0.2757



44.6076, 0.3733, 0.2656



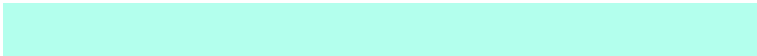
44.6076, 0.4627, 0.3530

Sweetspot

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



44.6130, 0.2461, 0.4061



87.1707, 0.2780, 0.3485



42.8534, 0.3087, 0.5931



18.3644, 0.2738, 0.3516



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.



44.6130, 0.2461, 0.4061



75.4911, 0.2465, 0.4072



25.4887, 0.1999, 0.2395



12.6807, 0.3014, 0.3344



28.7190, 0.2458, 0.4049



1.4927, 0.2412, 0.3883

Inverse Universe

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



12.7631, 0.5997, 0.3077



21.5791, 0.6027, 0.3094



15.1842, 0.6050, 0.3578



11.2557, 0.3254, 0.3236



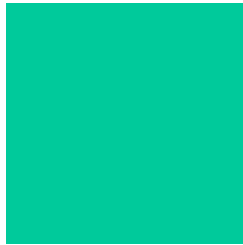
8.2236, 0.5965, 0.3059



0.4363, 0.5398, 0.2747

Previews

White Background



This preview shows how the Yxy color 44.6076, 0.2461, 0.4061 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 44.6076, 0.2461, 0.4061 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 44.6076, 0.2461, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 44.6076, 0.2461, 0.4061.



This preview shows how white text looks on a background with the Yxy color 44.6076, 0.2461, 0.4061.

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

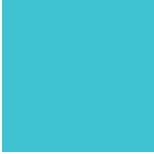
44.6076, 0.2461, 0.4061

Protanopia

43.7252, 0.3517, 0.3731

Deuteranopia

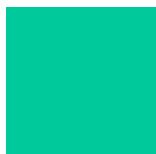
43.8766, 0.3465, 0.3406



Tritanopia

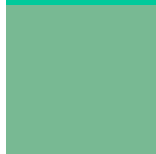
44.7401, 0.2277, 0.3069

Trichromacy



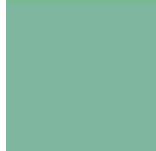
Original Color

44.6076, 0.2461, 0.4061



Protanomaly

40.7976, 0.2891, 0.3884



Deuteranomaly

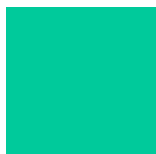
40.4711, 0.2855, 0.3641



Tritanomaly

44.5570, 0.2324, 0.3411

Monochromacy



Original Color

44.6076, 0.2461, 0.4061



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.1510, 0.2646, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6076, 0.2461, 0.4061 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, 202, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 155)  
}
```

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, 202, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 155) }
```

Border

The CSS property to change the border of an element to Yxy 44.6076, 0.2461, 0.4061 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, 202, 155) }
```

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

```
.border{ border-color:rgb(0, 202, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6076, 0.2461, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 155) }
```

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

```
.background{ background-color: rgb(0, 202,  
155) }
```

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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