

Converting Colors

$Y_{xy}(46.9078, 0.2475, 0.4088)$

Have a look what the booklet for
Yxy(46.9078, 0.2475, 0.4088)
contains.

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Color

Yxy(47.1180, 0.2477, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	09CF9D
RGB	9, 207, 157
RGB Percent	4%, 81%, 62%
CMY	0.9628, 0.1882, 0.3843
CMYK	0.95, 0.00, 0.24, 0.19
HSL	165°, 91%, 42%
HSV	165°, 95%, 81%
XYZ	28.5149, 47.1180, 39.4856
YIQ	142.0980, -101.9580, -57.5260

Conversions

Conversions Part 2

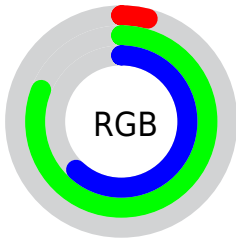
Format	Color
RYB	9, 122, 207
Decimal	642973
CIELab	74.27, -54.35, 13.01
CIELCh	74, 55.889, 166.543
Yxy	47.1180, 0.2477, 0.4093
Android (android.graphics.Color)	4278833053 (0xFF09CF9D)
YUV	142.0980, 7.3467, -116.7269
Hunter-Lab	68.6426, -45.9737, 13.9441

Details

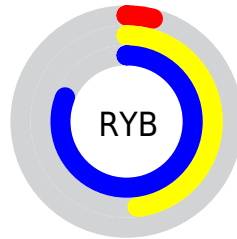
The Yxy color **47.1180, 0.2477, 0.4093** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.7919, 0.5804, 0.3005**, and the grayscale version is **27.1511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2767, 0.2577, 0.3820**, and **23.1738, 0.2520, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **46.9774, 0.2482, 0.4136**, and if you desaturate by 10%, it is **47.5203, 0.2474, 0.3999**.

Distribution



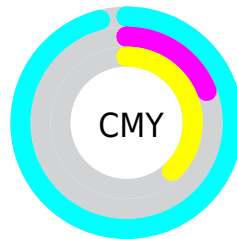
- Red (4%)
- Green (81%)
- Blue (62%)



- Red (4%)
- Yellow (48%)
- Blue (81%)



- Cyan (95%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)





- Cyan (96%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1180, 0.2477, 0.4093 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 47.1180, 0.2477, 0.4093 by changing the saturation by 10% instead.


 47.1180, 0.2477,
0.4093

 47.1180, 0.2477,
0.4093


375.2853, 0.2809,
0.3673


 33.1289, 0.2393,
0.4204


 85.8897, 0.2599,
0.3936

 22.2252, 0.2283,
0.4349


 111.4412, 0.2644,
0.3879

 14.0225, 0.2137,
0.4548


 141.6156, 0.2682,
0.3830

 8.1363, 0.1932,
0.4835

 176.7973, 0.2715,
0.3789

 4.1823, 0.1627,
0.5285

 217.3708, 0.2743,
0.3754

 1.7761, 0.0631,
0.6434

263.7203, 0.2768,

 0.4722, 0.0000,

0.3724

1.0000

316.2304, 0.2789,
0.3697

■ 0.0000, 0.0000,
0.0000

■ 47.1180, 0.2477,
0.4093

■ 47.1180, 0.2477,
0.4093

■ 46.9774, 0.2482,
0.4136

■ 47.5203, 0.2474,
0.3999

■ 48.1330, 0.2489,
0.3904

■ 48.9925, 0.2525,
0.3810

■ 50.1271, 0.2580,
0.3717

■ 51.5613, 0.2652,
0.3628

■ 53.3167, 0.2739,
0.3543

■ 55.4128, 0.2839,
0.3464

■ 57.8679, 0.2948,
0.3390

■ 60.6985, 0.3063,
0.3324

Harmonies

Analogous

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



47.1180, 0.3180, 0.4656



47.1180, 0.2477, 0.4093



47.1180, 0.1987, 0.3260

Triad

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



47.1180, 0.2477, 0.4093



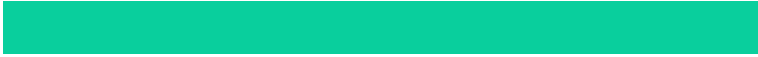
47.1180, 0.2273, 0.2120



47.1180, 0.4669, 0.3702

Complementary

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



47.1180, 0.2477, 0.4093



13.7919, 0.5804, 0.3005

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.



47.1180, 0.4391, 0.3137



47.1180, 0.2477, 0.4093



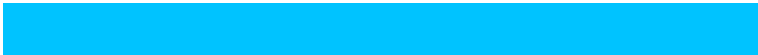
47.1180, 0.2915, 0.2277

Square

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



47.1180, 0.2477, 0.4093



47.1180, 0.1894, 0.2206



47.1180, 0.3710, 0.2637



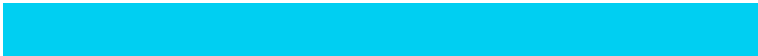
47.1180, 0.4466, 0.4257

Rectangle

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



47.1180, 0.2477, 0.4093



47.1180, 0.1825, 0.2774



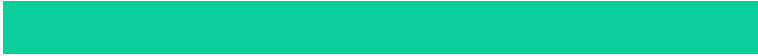
47.1180, 0.3710, 0.2637



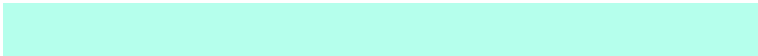
47.1180, 0.4631, 0.3511

Sweetspot

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



47.1198, 0.2477, 0.4093



87.4221, 0.2798, 0.3494



45.6745, 0.3130, 0.5868



18.4072, 0.2756, 0.3529



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.



47.1198, 0.2477, 0.4093



75.2570, 0.2485, 0.4147



30.0249, 0.2049, 0.2551



13.3538, 0.3016, 0.3350



29.6145, 0.2479, 0.4123



1.6682, 0.2431, 0.3951

Inverse Universe

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



13.7919, 0.5804, 0.3005



21.6366, 0.5966, 0.3060



16.0728, 0.6014, 0.3557



11.8567, 0.3251, 0.3231



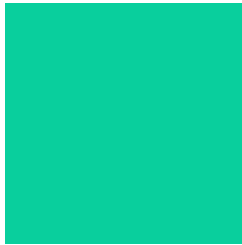
8.5294, 0.5904, 0.3026



0.4900, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 47.1180, 0.2477, 0.4093 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 47.1180, 0.2477, 0.4093 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 47.1180, 0.2477, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 47.1180, 0.2477, 0.4093.



This preview shows how white text looks on a background with the Yxy color 47.1180, 0.2477, 0.4093.

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

47.1180, 0.2477, 0.4093

Protanopia

46.2678, 0.3532, 0.3774

Deuteranopia

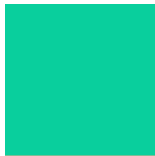
46.3194, 0.3494, 0.3428



Tritanopia

46.9114, 0.2278, 0.3059

Trichromacy



Original Color

47.1180, 0.2477, 0.4093



Protanomaly

43.4325, 0.2923, 0.3913



Deuteranomaly

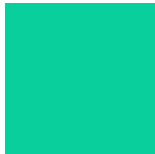
43.1822, 0.2897, 0.3676



Tritanomaly

46.6940, 0.2331, 0.3408

Monochromacy



Original Color

47.1180, 0.2477, 0.4093



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.7587, 0.2680, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1180, 0.2477, 0.4093 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(9, 207, 157)` looks like.

```
.text, #text, p{  
  color:rgb(9, 207, 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(9, 207, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 207, 157) }
```

Border

The CSS property to change the border of an element to Yxy 47.1180, 0.2477, 0.4093 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(9, 207, 157) }
```

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

```
.border{ border-color:rgb(9, 207, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 207, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 207, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 207, 157);  
box-shadow:4px 4px 4px 4px rgb(9, 207,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1180, 0.2477, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 207, 157) }
```

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

```
.background{ background-color: rgb(9, 207,  
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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