

Converting Colors

Yxy(54.8460, 0.2491, 0.4166)

Have a look what the booklet for
Yxy(54.8460, 0.2491, 0.4166)
contains.

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Color

Yxy(54.9293, 0.2492, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	01DEA4
RGB	1, 222, 164
RGB Percent	0%, 87%, 64%
CMY	0.9963, 0.1294, 0.3569
CMYK	1.00, 0.00, 0.26, 0.13
HSL	164°, 99%, 44%
HSV	164°, 100%, 87%
XYZ	32.8337, 54.9293, 43.9935
YIQ	149.3090, -113.0980, -64.8900

Conversions

Conversions Part 2

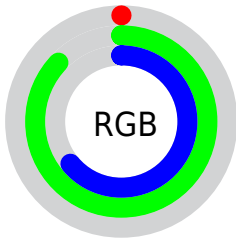
Format	Color
RYB	1, 128, 222
Decimal	122532
CIELab	79.00, -58.65, 15.94
CIELCh	79, 60.781, 164.798
Yxy	54.9293, 0.2492, 0.4169
Android (android.graphics.Color)	4278312612 (0xFF01DEA4)
YUV	149.3090, 7.2427, -130.0670
Hunter-Lab	74.1143, -50.6219, 16.6861

Details

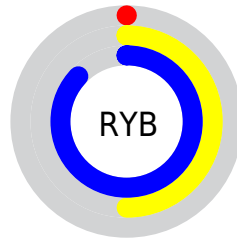
The Yxy color **54.9293, 0.2492, 0.4169** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.8659, 0.5907, 0.3031**, and the grayscale version is **30.1893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7603, 0.2553, 0.3729**, and **28.0801, 0.2546, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **54.9165, 0.2493, 0.4173**, and if you desaturate by 10%, it is **55.3245, 0.2481, 0.4071**.

Distribution



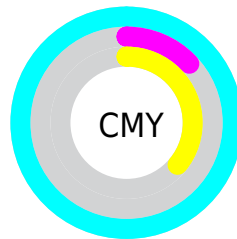
- Red (0%)
- Green (87%)
- Blue (64%)



- Red (0%)
- Yellow (50%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9293, 0.2492, 0.4169 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 54.9293, 0.2492, 0.4169 by changing the saturation by 10% instead.

 54.9293, 0.2492,
0.4169


 54.9293, 0.2492,
0.4169


405.6439, 0.2810,
0.3718

 39.3451, 0.2413,
0.4285


 97.4374, 0.2608,
0.4003


 27.0283, 0.2312,
0.4434


 125.1300, 0.2651,
0.3941


 17.5945, 0.2178,
0.4636


 157.6277, 0.2688,
0.3889

 10.6592, 0.1994,
0.4921

 195.3146, 0.2719,
0.3845

 5.8382, 0.1727,
0.5351

 238.5753, 0.2746,
0.3807

 2.7469, 0.1259,
0.6096

287.7942, 0.2770,

 1.0011, 0.0000,

0.3773

1.0000

343.3556, 0.2791,
0.3744

■ 0.0000, 0.0000,
0.0000

■ 54.9293, 0.2492,
0.4169

■ 54.9293, 0.2492,
0.4169

■ 54.9165, 0.2493,
0.4173

■ 55.3245, 0.2481,
0.4071

■ 55.9314, 0.2487,
0.3972

■ 56.8133, 0.2513,
0.3873

■ 58.0065, 0.2559,
0.3776

■ 59.5418, 0.2623,
0.3681

■ 61.4462, 0.2704,
0.3590

■ 63.7441, 0.2798,
0.3505

■ 66.4575, 0.2903,
0.3426

■ 69.6069, 0.3015,
0.3353

Harmonies

Analogous

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



54.9293, 0.3222, 0.4722



54.9293, 0.2492, 0.4169



54.9293, 0.1974, 0.3305

Triad

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



54.9293, 0.2492, 0.4169



54.9293, 0.2217, 0.2086



54.9293, 0.4715, 0.3674

Complementary

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



54.9293, 0.2492, 0.4169



15.8659, 0.5907, 0.3031

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.



54.9293, 0.4402, 0.3097



54.9293, 0.2492, 0.4169



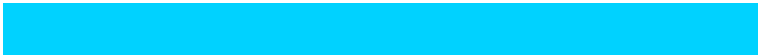
54.9293, 0.2862, 0.2234

Square

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



54.9293, 0.2492, 0.4169



54.9293, 0.1846, 0.2188



54.9293, 0.3680, 0.2591



54.9293, 0.4528, 0.4248

Rectangle

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



54.9293, 0.2492, 0.4169



54.9293, 0.1797, 0.2793



54.9293, 0.3680, 0.2591



54.9293, 0.4668, 0.3478

Sweetspot

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



54.9315, 0.2492, 0.4169



87.0382, 0.2792, 0.3510



53.2043, 0.3109, 0.5911



18.3325, 0.2751, 0.3546



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.



54.9315, 0.2492, 0.4169



75.1548, 0.2495, 0.4181



34.1884, 0.2032, 0.2512



15.5077, 0.3017, 0.3352



32.6370, 0.2489, 0.4159



2.2767, 0.2447, 0.4008

Inverse Universe

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



15.8659, 0.5907, 0.3031



21.6641, 0.5937, 0.3044



18.0351, 0.6121, 0.3518



13.7593, 0.3251, 0.3229



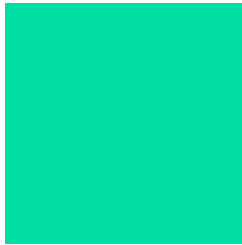
9.4228, 0.5882, 0.3014



0.6677, 0.5441, 0.2771

Previews

White Background



This preview shows how the Yxy color 54.9293, 0.2492, 0.4169 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 54.9293, 0.2492, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

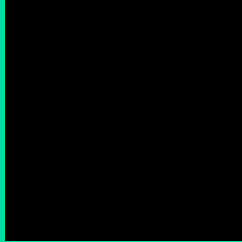
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

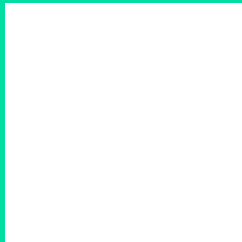
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9293, 0.2492, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 54.9293, 0.2492, 0.4169.

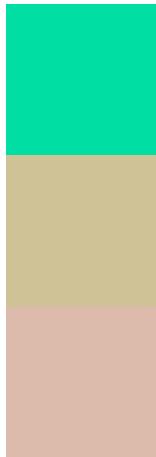


This preview shows how white text looks on a background with the Yxy color 54.9293, 0.2492, 0.4169.

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

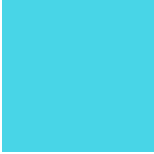
54.9293, 0.2492, 0.4169

Protanopia

54.0833, 0.3571, 0.3816

Deuteranopia

53.8914, 0.3540, 0.3467



Tritanopia

54.7357, 0.2276, 0.3047

Trichromacy



Original Color

54.9293, 0.2492, 0.4169



Protanomaly

50.4916, 0.2926, 0.3981



Deuteranomaly

49.8358, 0.2901, 0.3726



Tritanomaly

54.1976, 0.2328, 0.3415

Monochromacy



Original Color

54.9293, 0.2492, 0.4169



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.8167, 0.2661, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9293, 0.2492, 0.4169 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(1, 222, 164)` looks like.

```
.text, #text, p{  
    color:rgb(1, 222, 164)  
}
```

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(1, 222, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 222, 164) }
```

Border

The CSS property to change the border of an element to Yxy 54.9293, 0.2492, 0.4169 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(1, 222, 164) }
```

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

```
.border{ border-color:rgb(1, 222, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 222, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 222, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 222, 164);  
box-shadow:4px 4px 4px 4px rgb(1, 222,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9293, 0.2492, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 222, 164) }
```

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

```
.background{ background-color: rgb(1, 222,  
164) }
```

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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