

Converting Colors

$Yxy(50.5439, 0.2363, 0.4208)$

Have a look what the booklet for
Yxy(50.5439, 0.2363, 0.4208)
contains.

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Color

Yxy(51.6149, 0.2494, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	01D89F
RGB	1, 216, 159
RGB Percent	0%, 85%, 62%
CMY	0.9979, 0.1530, 0.3765
CMYK	1.00, 0.00, 0.26, 0.15
HSL	164°, 99%, 42%
HSV	164°, 100%, 85%
XYZ	30.8182, 51.6149, 41.1362
YIQ	145.2170, -109.8430, -63.3070

Conversions

Conversions Part 2

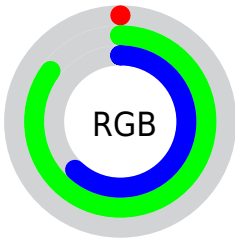
Format	Color
RYB	1, 125, 216
Decimal	120991
CIELab	77.05, -57.58, 15.85
CIELCh	77, 59.719, 164.611
Yxy	51.6149, 0.2494, 0.4177
Android (android.graphics.Color)	4278311071 (0xFF01D89F)
YUV	145.2170, 6.7950, -126.4783
Hunter-Lab	71.8435, -49.1563, 16.3421

Details

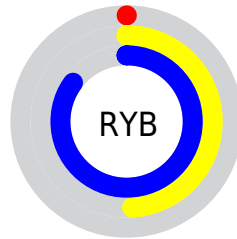
The Yxy color **51.6149, 0.2494, 0.4177** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.9112, 0.5901, 0.3026**, and the grayscale version is **28.3536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4392, 0.2571, 0.3794**, and **26.2031, 0.2555, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **51.6084, 0.2494, 0.4179**, and if you desaturate by 10%, it is **51.9886, 0.2483, 0.4079**.

Distribution



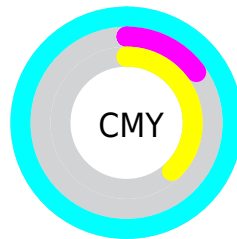
- Red (0%)
- Green (85%)
- Blue (62%)



- Red (0%)
- Yellow (49%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6149, 0.2494, 0.4177 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 51.6149, 0.2494, 0.4177 by changing the saturation by 10% instead.


 51.6149, 0.2494,
0.4177


 51.6149, 0.2494,
0.4177

392.9481, 0.2815,
0.3717


 36.6982, 0.2413,
0.4296


 92.5631, 0.2611,
0.4006

 24.9739, 0.2309,
0.4452


 119.3633, 0.2655,
0.3943


 16.0576, 0.2170,
0.4664


 150.8935, 0.2692,
0.3890

 9.5649, 0.1977,
0.4967

 187.5381, 0.2724,
0.3846

 5.1115, 0.1693,
0.5430

 229.6815, 0.2751,
0.3807

 2.3128, 0.1065,
0.6339

277.7080, 0.2775,

 0.7805, 0.0000,

0.3773

1.0000

332.0021, 0.2796,
0.3743

■ 0.0000, 0.0000,
0.0000

■ 51.6149, 0.2494,
0.4177

■ 51.6149, 0.2494,
0.4177

■ 51.6084, 0.2494,
0.4179

■ 51.9886, 0.2483,
0.4079

■ 52.5585, 0.2489,
0.3979

■ 53.3860, 0.2515,
0.3879

■ 54.5051, 0.2560,
0.3781

■ 55.9448, 0.2624,
0.3685

■ 57.7302, 0.2704,
0.3594

■ 59.8842, 0.2798,
0.3508

■ 62.4273, 0.2902,
0.3428

■ 65.3789, 0.3014,
0.3355

Harmonies

Analogous

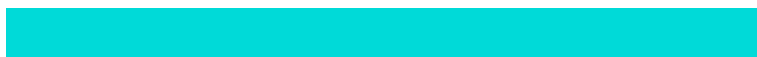
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6149, 0.3227, 0.4729



51.6149, 0.2494, 0.4177



51.6149, 0.1973, 0.3310

Triad

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



51.6149, 0.2494, 0.4177



51.6149, 0.2211, 0.2083



51.6149, 0.4720, 0.3670

Complementary

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



51.6149, 0.2494, 0.4177



14.9112, 0.5901, 0.3026

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.



51.6149, 0.4402, 0.3093



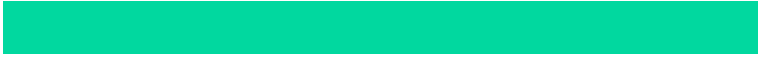
51.6149, 0.2494, 0.4177



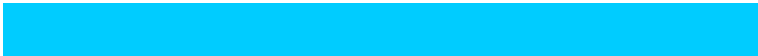
51.6149, 0.2856, 0.2230

Square

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



51.6149, 0.2494, 0.4177



51.6149, 0.1841, 0.2186



51.6149, 0.3677, 0.2587



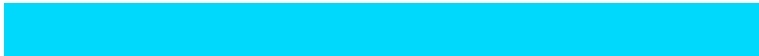
51.6149, 0.4534, 0.4247

Rectangle

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



51.6149, 0.2494, 0.4177



51.6149, 0.1795, 0.2795



51.6149, 0.3677, 0.2587



51.6149, 0.4671, 0.3474

Sweetspot

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



51.6169, 0.2494, 0.4177



87.0286, 0.2793, 0.3512



50.0110, 0.3109, 0.5912



18.3302, 0.2751, 0.3548



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.



51.6169, 0.2494, 0.4177



75.1308, 0.2497, 0.4189



32.1336, 0.2032, 0.2512



14.0492, 0.3017, 0.3352



30.5665, 0.2490, 0.4164



1.8570, 0.2443, 0.3994

Inverse Universe

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



14.9112, 0.5901, 0.3026



21.6708, 0.5930, 0.3040



16.9513, 0.6122, 0.3518



12.4742, 0.3250, 0.3229



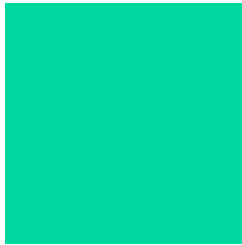
8.8321, 0.5870, 0.3007



0.5465, 0.5369, 0.2732

Previews

White Background



This preview shows how the Yxy color 51.6149, 0.2494, 0.4177 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 51.6149, 0.2494, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

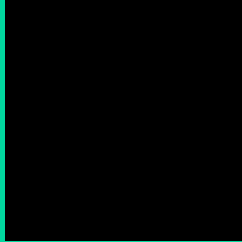
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6149, 0.2494, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 51.6149, 0.2494, 0.4177.

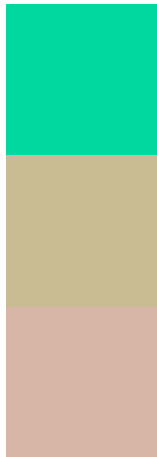


This preview shows how white text looks on a background with the Yxy color 51.6149, 0.2494, 0.4177.

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

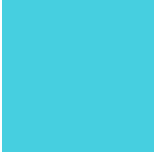
51.6214, 0.2494, 0.4177

Protanopia

50.4593, 0.3576, 0.3818

Deuteranopia

50.6930, 0.3542, 0.3471



Tritanopia

51.3096, 0.2279, 0.3054

Trichromacy



Original Color

51.6214, 0.2494, 0.4177



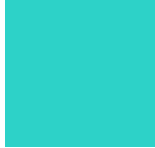
Protanomaly

47.2117, 0.2928, 0.3986



Deuteranomaly

46.5823, 0.2903, 0.3724



Tritanomaly

50.8212, 0.2335, 0.3434

Monochromacy



Original Color

51.6214, 0.2494, 0.4177



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.6031, 0.2657, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6149, 0.2494, 0.4177 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, 216, 159)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 159)  
}
```

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, 216, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 159) }
```

Border

The CSS property to change the border of an element to Yxy 51.6149, 0.2494, 0.4177 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, 216, 159) }
```

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

```
.border{ border-color:rgb(1, 216, 159) }
```

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

Here you see how a box with a 4 pixel rgb(1, 216, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 159);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6149, 0.2494, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 216, 159) }
```

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

```
.background{ background-color: rgb(1, 216,  
159) }
```

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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