

# Converting Colors

$Y_{xy}(51.0394, 0.2599, 0.4479)$

Have a look what the booklet for  
Yxy(51.0394, 0.2599, 0.4479)  
contains.

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# Color

**Yxy(51.2290, 0.2598, 0.4475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18D88D
RGB	24, 216, 141
RGB Percent	9%, 85%, 55%
CMY	0.9052, 0.1529, 0.4472
CMYK	0.89, 0.00, 0.35, 0.15
HSL	157°, 80%, 47%
HSV	157°, 89%, 85%
XYZ	29.7414, 51.2290, 33.5078
YIQ	150.0420, -90.3570, -64.0290

# Conversions

## Conversions Part 2

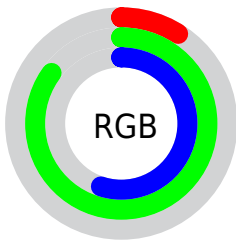
Format	Color
<a href="#">RYB</a>	<a href="#">24, 143, 216</a>
Decimal	<a href="#">1628301</a>
CIELab	<a href="#">76.82, -60.62, 25.00</a>
CIELCh	<a href="#">77, 65.577, 157.588</a>
Yxy	<a href="#">51.2290, 0.2598, 0.4475</a>
Android (android.graphics.Color)	<a href="#">4279818381 (0xFF18D88D)</a>
YUV	<a href="#">150.0420, -4.4577, -110.5388</a>
Hunter-Lab	<a href="#">71.5744, -51.0829, 22.3453</a>

# Details

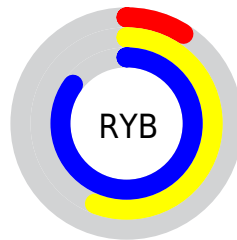
The Yxy color **51.2290, 0.2598, 0.4475** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **16.1648, 0.5116, 0.2675**, and the grayscale version is **30.5890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7751, 0.2670, 0.4042**, and **25.8798, 0.2660, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **50.8093, 0.2619, 0.4623**, and if you desaturate by 10%, it is **51.8715, 0.2595, 0.4323**.

# Distribution



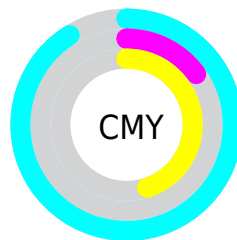
- Red (9%)
- Green (85%)
- Blue (55%)



- Red (9%)
- Yellow (56%)
- Blue (85%)



- Cyan (89%)
- Magenta (0%)
- Yellow (35%)
- Black (15%)




- Cyan (91%)
- Magenta (15%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2290, 0.2598, 0.4475 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 51.2290, 0.2598, 0.4475 by changing the saturation by 10% instead.




 51.2290, 0.2598,  
0.4475

 51.2290, 0.2598,  
0.4475


391.4528, 0.2878,  
0.3850


 36.3909, 0.2523,  
0.4640


 91.9932, 0.2703,  
0.4241

 24.7362, 0.2425,  
0.4858


 118.6880, 0.2742,  
0.4155

 15.8807, 0.2291,  
0.5155


 150.1039, 0.2774,  
0.4083

 9.4397, 0.2096,  
0.5583

 186.6253, 0.2801,  
0.4022

 5.0291, 0.1796,  
0.6239

 228.6364, 0.2825,  
0.3970

 2.2643, 0.1022,  
0.7992

276.5218, 0.2845,


 0.7547, 0.0000,

0.3925


1.0000


330.6658, 0.2863,  
0.3885


 0.0000, 0.0000,  
0.0000

 51.2290, 0.2598,  
0.4475


 51.2290, 0.2598,  
0.4475


 50.8093, 0.2619,  
0.4623


 51.8715, 0.2595,  
0.4323

 50.7650, 0.2622,  
0.4641

 52.7833, 0.2612,  
0.4170

 54.0002, 0.2649,  
0.4019

 55.5508, 0.2703,  
0.3873

 57.4605, 0.2773,  
0.3734

■ 59.7520, 0.2854,  
0.3604

■ 62.4461, 0.2944,  
0.3485

■ 65.5622, 0.3040,  
0.3376

■ 69.1182, 0.3139,  
0.3279

# Harmonies

## Analogous

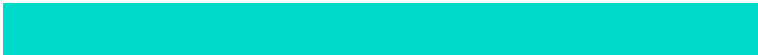
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2290, 0.3416, 0.4930



51.2290, 0.2598, 0.4475



51.2290, 0.1970, 0.3529

# Triad

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



51.2290, 0.2598, 0.4475



51.2290, 0.2011, 0.1984



51.2290, 0.4844, 0.3533

# Complementary

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



51.2290, 0.2598, 0.4475



16.1648, 0.5116, 0.2675

# 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.



51.2290, 0.4373, 0.2929



51.2290, 0.2598, 0.4475



51.2290, 0.2638, 0.2085

# Square

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



51.2290, 0.2598, 0.4475



51.2290, 0.1689, 0.2156



51.2290, 0.3510, 0.2419



51.2290, 0.4748, 0.4165

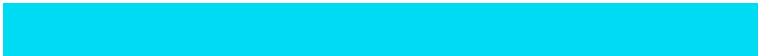


# Rectangle

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



51.2290, 0.2598, 0.4475



51.2290, 0.1732, 0.2918



51.2290, 0.3510, 0.2419



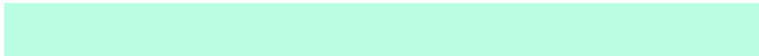
51.2290, 0.4748, 0.3326

# Sweetspot

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



51.2310, 0.2598, 0.4475



87.5832, 0.2868, 0.3585



51.9406, 0.3293, 0.5687



18.4797, 0.2838, 0.3628



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.



51.2310, 0.2598, 0.4475



73.8952, 0.2626, 0.4654



45.0049, 0.2185, 0.3008



14.0217, 0.3034, 0.3383



30.0691, 0.2616, 0.4618



1.8297, 0.2545, 0.4362



# Inverse Universe

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



16.1648, 0.5116, 0.2675



22.1751, 0.5463, 0.2783



16.4201, 0.6082, 0.3401



12.5004, 0.3230, 0.3199



9.0443, 0.5400, 0.2748



0.5615, 0.4938, 0.2494



# Previews

## White Background



This preview shows how the Yxy color 51.2290, 0.2598, 0.4475 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 51.2290, 0.2598, 0.4475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

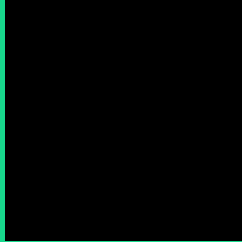
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.2290, 0.2598, 0.4475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2290, 0.2598, 0.4475.



This preview shows how white text looks on a background with the Yxy color 51.2290, 0.2598, 0.4475.

# 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

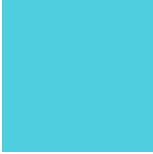
51.2290, 0.2598, 0.4475

### Protanopia

50.2479, 0.3731, 0.4025

### Deuteranopia

49.8725, 0.3741, 0.3662



## **Tritanopia**

51.0900, 0.2304, 0.3054

# Trichromacy



## Original Color

51.2290, 0.2598, 0.4475



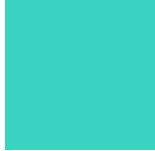
## Protanomaly

47.4849, 0.3119, 0.4243



## Deuteranomaly

46.5112, 0.3111, 0.3967



## Tritanomaly

50.8430, 0.2395, 0.3538

# Monochromacy



## Original Color

51.2290, 0.2598, 0.4475



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

35.3217, 0.2764, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2290, 0.2598, 0.4475 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(24, 216, 141)` looks like.

```
.text, #text, p{  
    color:rgb(24, 216, 141)  
}
```

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(24, 216, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 216, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2290, 0.2598, 0.4475 is called "border". The border property can be set on classes, ids or directly on the HTML element.

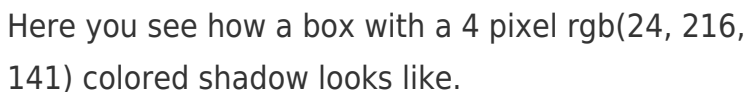
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(24, 216, 141) }
```

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

```
.border{ border-color:rgb(24, 216, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(24, 216, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 216, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 216, 141);  
box-shadow:4px 4px 4px 4px rgb(24, 216,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2290, 0.2598, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 216, 141) }
```

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

```
.background{ background-color: rgb(24, 216,  
141) }
```

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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