

Converting Colors

Yxy(51.1230, 0.2697, 0.4819)

Have a look what the booklet for
Yxy(51.1230, 0.2697, 0.4819)
contains.

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Color

Yxy(51.2129, 0.2696, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	19D979
RGB	25, 217, 121
RGB Percent	10%, 85%, 47%
CMY	0.9009, 0.1490, 0.5256
CMYK	0.88, 0.00, 0.44, 0.15
HSL	150°, 79%, 48%
HSV	150°, 88%, 85%
XYZ	28.6690, 51.2129, 26.4572
YIQ	148.6480, -83.6160, -70.5600

Conversions

Conversions Part 2

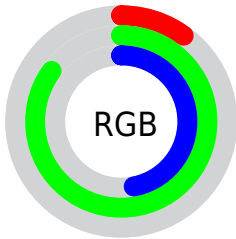
Format	Color
RYB	25, 153, 217
Decimal	1694073
CIELab	76.81, -64.71, 35.21
CIELCh	77, 73.671, 151.449
Yxy	51.2129, 0.2696, 0.4816
Android (android.graphics.Color)	4279884153 (0xFF19D979)
YUV	148.6480, -13.6305, -108.4393
Hunter-Lab	71.5632, -53.7265, 28.1745

Details

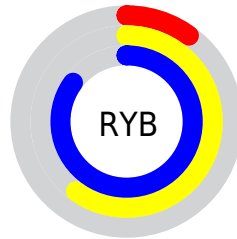
The Yxy color **51.2129, 0.2696, 0.4816** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.8462, 0.4700, 0.2441**, and the grayscale version is **30.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8910, 0.2766, 0.4323**, and **25.9447, 0.2773, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **50.7761, 0.2725, 0.4999**, and if you desaturate by 10%, it is **51.8903, 0.2685, 0.4623**.

Distribution



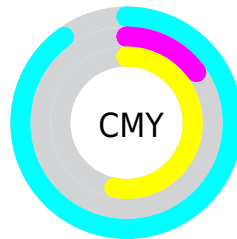
- Red (10%)
- Green (85%)
- Blue (47%)



- Red (10%)
- Yellow (60%)
- Blue (85%)



- Cyan (88%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)





- Cyan (90%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2129, 0.2696, 0.4816 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 51.2129, 0.2696, 0.4816 by changing the saturation by 10% instead.

 51.2129, 0.2696,
0.4816


 51.2129, 0.2696,
0.4816

391.3904, 0.2942,
0.4003


 36.3781, 0.2625,
0.5032


 91.9694, 0.2793,
0.4510

 24.7263, 0.2527,
0.5316


 118.6599, 0.2827,
0.4398


 15.8733, 0.2389,
0.5703


 150.0710, 0.2855,
0.4305

 9.4345, 0.2178,
0.6252

 186.5872, 0.2878,
0.4226

 5.0257, 0.1841,
0.7076

 228.5928, 0.2898,
0.4158

 2.2623, 0.0770,
0.9230

276.4723, 0.2915,

 0.7537, 0.0000,

0.4099

1.0000

330.6100, 0.2929,
0.4048

■ 0.0000, 0.0000,
0.0000

■ 51.2129, 0.2696,
0.4816

■ 51.2129, 0.2696,
0.4816

■ 50.7761, 0.2725,
0.4999

■ 51.8903, 0.2685,
0.4623

■ 50.7143, 0.2730,
0.5028

■ 52.8527, 0.2695,
0.4426

■ 54.1366, 0.2724,
0.4229

■ 55.7712, 0.2769,
0.4038

■ 57.7824, 0.2829,
0.3857

■ 60.1936, 0.2899,
0.3689

■ 63.0262, 0.2976,
0.3534

■ 66.3001, 0.3058,
0.3395

■ 70.0337, 0.3141,
0.3270

Harmonies

Analogous

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



51.2129, 0.3608, 0.5139



51.2129, 0.2696, 0.4816



51.2129, 0.1953, 0.3783

Triad

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



51.2129, 0.2696, 0.4816



51.2129, 0.1800, 0.1868



51.2129, 0.4991, 0.3390

Complementary

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



51.2129, 0.2696, 0.4816



16.8462, 0.4700, 0.2441

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.



51.2129, 0.4348, 0.2755



51.2129, 0.2696, 0.4816



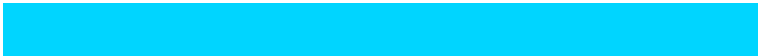
51.2129, 0.2410, 0.1926

Square

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



51.2129, 0.2696, 0.4816



51.2129, 0.1522, 0.2111



51.2129, 0.3336, 0.2238



51.2129, 0.4988, 0.4075

Rectangle

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



51.2129, 0.2696, 0.4816



51.2129, 0.1650, 0.3051



51.2129, 0.3336, 0.2238



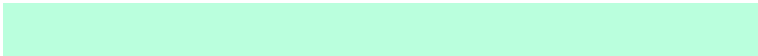
51.2129, 0.4844, 0.3171

Sweetspot

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



51.2150, 0.2696, 0.4816



87.1728, 0.2907, 0.3671



54.0060, 0.3440, 0.5570



18.3830, 0.2882, 0.3727



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.



51.2150, 0.2696, 0.4816



73.0600, 0.2734, 0.5043



54.6798, 0.2275, 0.3332



14.7141, 0.3049, 0.3410



30.7217, 0.2723, 0.5002



2.0077, 0.2640, 0.4703

Inverse Universe

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



16.8462, 0.4700, 0.2441



22.8108, 0.4998, 0.2527



15.5447, 0.6167, 0.3285



13.1598, 0.3214, 0.3173



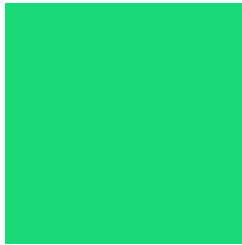
9.6154, 0.4946, 0.2498



0.6403, 0.4587, 0.2301

Previews

White Background



This preview shows how the Yxy color 51.2129, 0.2696, 0.4816 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 51.2129, 0.2696, 0.4816 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 51.2129, 0.2696, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 51.2129, 0.2696, 0.4816.



This preview shows how white text looks on a background with the Yxy color 51.2129, 0.2696, 0.4816.

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

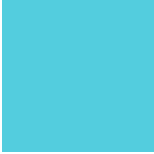
51.2129, 0.2696, 0.4816

Protanopia

50.2140, 0.3904, 0.4238

Deuteranopia

50.1015, 0.3952, 0.3875



Tritanopia

50.7756, 0.2321, 0.3054

Trichromacy



Original Color

51.2129, 0.2696, 0.4816



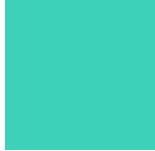
Protanomaly

47.6372, 0.3258, 0.4527



Deuteranomaly

46.3476, 0.3279, 0.4239



Tritanomaly

50.1278, 0.2440, 0.3646

Monochromacy



Original Color

51.2129, 0.2696, 0.4816



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.0792, 0.2820, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2129, 0.2696, 0.4816 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(25, 217, 121)` looks like.

```
.text, #text, p{  
    color:rgb(25, 217, 121)  
}
```

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(25, 217, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 217, 121) }
```

Border

The CSS property to change the border of an element to Yxy 51.2129, 0.2696, 0.4816 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(25, 217, 121) }
```

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

```
.border{ border-color:rgb(25, 217, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 217, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 217, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 217, 121);  
box-shadow:4px 4px 4px 4px rgb(25, 217,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2129, 0.2696, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 217, 121) }
```

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

```
.background{ background-color: rgb(25, 217,  
121) }
```

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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