

Converting Colors

Yxy(50.4807, 0.2677, 0.4831)

Have a look what the booklet for
Yxy(50.4807, 0.2677, 0.4831)
contains.

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Color

Yxy(50.4807, 0.2677, 0.4831)

Conversions

Conversions Part 1

Format	Color
Hex	02D878
RGB	2, 216, 120
RGB Percent	1%, 85%, 47%
CMY	0.9914, 0.1529, 0.5294
CMYK	0.99, 0.00, 0.44, 0.15
HSL	153°, 98%, 43%
HSV	153°, 99%, 85%
XYZ	27.9728, 50.4807, 26.0397
YIQ	141.0700, -96.7280, -75.2240

Conversions

Conversions Part 2

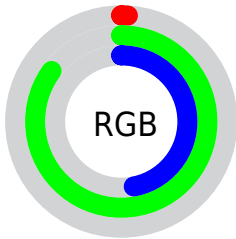
Format	Color
R_{YB}	2, 140, 216
Decimal	186488
CIE _{Lab}	76.36, -65.53, 35.10
CIE _{LCh}	76, 74.343, 151.823
Y _{xy}	50.4807, 0.2677, 0.4831
Android (android.graphics.Color)	4278376568 (0xFF02D878)
YUV	141.0700, -10.3875, -121.9644
Hunter-Lab	71.0498, -54.0603, 28.0051

Details

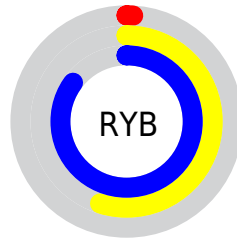
The Yxy color **50.4807, 0.2677, 0.4831** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.5320, 0.5172, 0.2629**, and the grayscale version is **26.7588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5404, 0.2751, 0.4342**, and **25.5838, 0.2776, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **50.4448, 0.2680, 0.4848**, and if you desaturate by 10%, it is **50.9078, 0.2651, 0.4664**.

Distribution



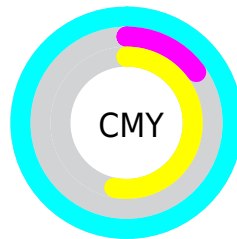
- Red (1%)
- Green (85%)
- Blue (47%)



- Red (1%)
- Yellow (55%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)





- Cyan (99%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4807, 0.2677, 0.4831 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 50.4807, 0.2677, 0.4831 by changing the saturation by 10% instead.

 50.4807, 0.2677,
0.4831

 50.4807, 0.2677,
0.4831


388.5428, 0.2934,
0.4007

 35.7955, 0.2603,
0.5051


 90.8867, 0.2778,
0.4520


 24.2763, 0.2502,
0.5340


 117.3763, 0.2813,
0.4407

 15.5387, 0.2357,
0.5735


 148.5694, 0.2843,
0.4313

 9.1983, 0.2139,
0.6296

 184.8506, 0.2867,
0.4233

 4.8708, 0.1790,
0.7148

 226.6041, 0.2887,
0.4164

 2.1716, 0.0532,
0.9468

274.2144, 0.2905,

 0.7045, 0.0000,

0.4105

1.0000

328.0658, 0.2920,
0.4053

■ 0.0000, 0.0000,
0.0000

■ 50.4807, 0.2677,
0.4831

■ 50.4807, 0.2677,
0.4831

■ 50.4448, 0.2680,
0.4848

■ 50.9078, 0.2651,
0.4664

■ 51.5550, 0.2643,
0.4490

■ 52.4785, 0.2655,
0.4313

■ 53.7122, 0.2686,
0.4137

■ 55.2853, 0.2736,
0.3967

■ 57.2232, 0.2799,
0.3806

■ 59.5489, 0.2875,
0.3655

■ 62.2836, 0.2958,
0.3517

■ 65.4466, 0.3046,
0.3392

Harmonies

Analogous

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



50.4807, 0.3598, 0.5166



50.4807, 0.2677, 0.4831



50.4807, 0.1930, 0.3774

Triad

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



50.4807, 0.2677, 0.4831



50.4807, 0.1791, 0.1851



50.4807, 0.5020, 0.3396

Complementary

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



50.4807, 0.2677, 0.4831



15.5320, 0.5172, 0.2629

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.



50.4807, 0.4376, 0.2755



50.4807, 0.2677, 0.4831



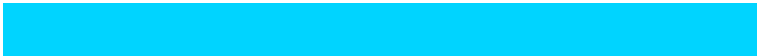
50.4807, 0.2411, 0.1913

Square

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



50.4807, 0.2677, 0.4831



50.4807, 0.1507, 0.2091



50.4807, 0.3351, 0.2232



50.4807, 0.5006, 0.4087

Rectangle

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



50.4807, 0.2677, 0.4831



50.4807, 0.1629, 0.3033



50.4807, 0.3351, 0.2232



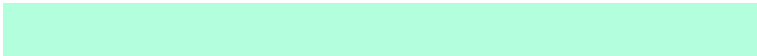
50.4807, 0.4874, 0.3175

Sweetspot

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



50.4827, 0.2677, 0.4831



86.2462, 0.2864, 0.3674



51.7365, 0.3299, 0.5757



18.1434, 0.2832, 0.3737



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.



50.4827, 0.2677, 0.4831



73.4286, 0.2684, 0.4863



48.7835, 0.2205, 0.3133



14.0094, 0.3042, 0.3397



29.8799, 0.2673, 0.4823



1.8188, 0.2592, 0.4532

Inverse Universe

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



15.5320, 0.5172, 0.2629



22.4861, 0.5221, 0.2650



14.8887, 0.6356, 0.3323



12.5126, 0.3221, 0.3186



9.1728, 0.5162, 0.2617



0.5698, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 50.4807, 0.2677, 0.4831 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 50.4807, 0.2677, 0.4831 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 50.4807, 0.2677, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 50.4807, 0.2677, 0.4831.

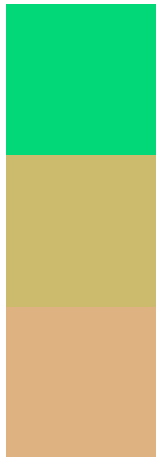


This preview shows how white text looks on a background with the Yxy color 50.4807, 0.2677, 0.4831.

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

50.4807, 0.2677, 0.4831

Protanopia

49.6239, 0.3908, 0.4242

Deuteranopia

49.5132, 0.3956, 0.3878



Tritanopia

50.1117, 0.2312, 0.3053

Trichromacy



Original Color

50.4807, 0.2677, 0.4831



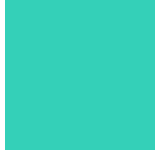
Protanomaly

46.4057, 0.3196, 0.4558



Deuteranomaly

45.0453, 0.3213, 0.4264



Tritanomaly

49.3025, 0.2415, 0.3650

Monochromacy



Original Color

50.4807, 0.2677, 0.4831



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.9229, 0.2762, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4807, 0.2677, 0.4831 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(2, 216, 120)` looks like.

```
.text, #text, p{  
    color:rgb(2, 216, 120)  
}
```

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(2, 216, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 216, 120) }
```

Border

The CSS property to change the border of an element to Yxy 50.4807, 0.2677, 0.4831 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(2, 216, 120) }
```

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

```
.border{ border-color:rgb(2, 216, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 216, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 216, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 216, 120);  
box-shadow:4px 4px 4px 4px rgb(2, 216,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4807, 0.2677, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 216, 120) }
```

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

```
.background{ background-color: rgb(2, 216,  
120) }
```

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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