

Converting Colors

$Y_{xy}(50.8436, 0.2681, 0.4852)$

Have a look what the booklet for
Yxy(50.8436, 0.2681, 0.4852)
contains.

Yxy(50.9576, 0.2683, 0.4857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.9576, 0.2683, 0.4857)

Conversions

Conversions Part 1

Format	Color
Hex	01D977
RGB	1, 217, 119
RGB Percent	0%, 85%, 47%
CMY	0.9976, 0.1490, 0.5333
CMYK	1.00, 0.00, 0.45, 0.15
HSL	153°, 99%, 43%
HSV	153°, 100%, 85%
XYZ	28.1489, 50.9576, 25.8093
YIQ	141.2440, -97.2780, -76.2700

Conversions

Conversions Part 2

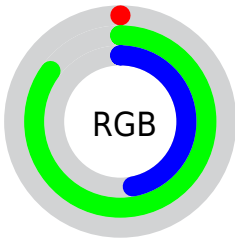
Format	Color
RYB	1, 141, 217
Decimal	121207
CIELab	76.65, -66.09, 35.97
CIELCh	77, 75.242, 151.440
Yxy	50.9576, 0.2683, 0.4857
Android (android.graphics.Color)	4278311287 (0xFF01D977)
YUV	141.2440, -10.9663, -122.9940
Hunter-Lab	71.3846, -54.5356, 28.5328

Details

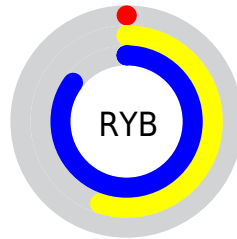
The Yxy color **50.9576, 0.2683, 0.4857** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.6577, 0.5176, 0.2627**, and the grayscale version is **26.7615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5018, 0.2756, 0.4356**, and **25.5713, 0.2781, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **50.9489, 0.2684, 0.4862**, and if you desaturate by 10%, it is **51.3784, 0.2656, 0.4689**.

Distribution



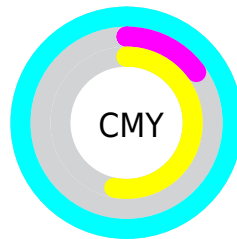
- Red (0%)
- Green (85%)
- Blue (47%)



- Red (0%)
- Yellow (55%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9576, 0.2683, 0.4857 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 50.9576, 0.2683, 0.4857 by changing the saturation by 10% instead.


 50.9576, 0.2683,
0.4857


 50.9576, 0.2683,
0.4857


390.3990, 0.2937,
0.4020


 36.1749, 0.2609,
0.5080


 91.5921, 0.2783,
0.4542

 24.5693, 0.2508,
0.5373


 118.2126, 0.2819,
0.4427

 15.7564, 0.2364,
0.5772

 149.5479, 0.2847,
0.4331

 9.3520, 0.2145,
0.6337

 185.9823, 0.2872,
0.4249

 4.9715, 0.1797,
0.7193

 227.9002, 0.2892,
0.4180

 2.2305, 0.0587,
0.9413

275.6861, 0.2909,

 0.7366, 0.0000,

0.4119

1.0000

329.7242, 0.2924,
0.4067

■ 0.0000, 0.0000,
0.0000

■ 50.9576, 0.2683,
0.4857

■ 50.9576, 0.2683,
0.4857

■ 50.9489, 0.2684,
0.4862

■ 51.3784, 0.2656,
0.4689

■ 52.0136, 0.2646,
0.4514

■ 52.9257, 0.2656,
0.4335

■ 54.1494, 0.2686,
0.4158

■ 55.7146, 0.2734,
0.3986

■ 57.6473, 0.2796,
0.3822

■ 59.9709, 0.2870,
0.3669

■ 62.7068, 0.2952,
0.3529

■ 65.8749, 0.3040,
0.3401

Harmonies

Analogous

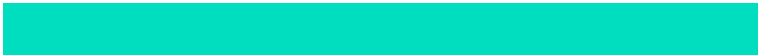
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9576, 0.3611, 0.5182



50.9576, 0.2683, 0.4857



50.9576, 0.1928, 0.3793

Triad

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



50.9576, 0.2683, 0.4857



50.9576, 0.1776, 0.1842



50.9576, 0.5032, 0.3386

Complementary

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



50.9576, 0.2683, 0.4857



15.6577, 0.5176, 0.2627

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.



50.9576, 0.4375, 0.2743



50.9576, 0.2683, 0.4857



50.9576, 0.2394, 0.1902

Square

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



50.9576, 0.2683, 0.4857



50.9576, 0.1494, 0.2087



50.9576, 0.3338, 0.2219



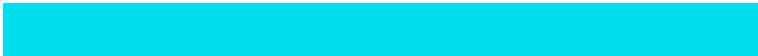
50.9576, 0.5024, 0.4081

Rectangle

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



50.9576, 0.2683, 0.4857



50.9576, 0.1622, 0.3043



50.9576, 0.3338, 0.2219



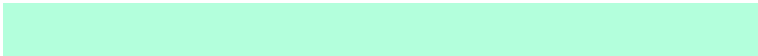
50.9576, 0.4882, 0.3164

Sweetspot

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



50.9597, 0.2683, 0.4857



86.2306, 0.2866, 0.3677



52.4259, 0.3316, 0.5747



18.1397, 0.2833, 0.3741



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.



50.9597, 0.2683, 0.4857



73.3996, 0.2688, 0.4876



50.9996, 0.2218, 0.3185



14.7249, 0.3042, 0.3398



30.8648, 0.2677, 0.4838



2.0169, 0.2600, 0.4561

Inverse Universe

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



15.6577, 0.5176, 0.2627



22.5086, 0.5204, 0.2641



14.9224, 0.6377, 0.3315



13.1491, 0.3221, 0.3185



9.4874, 0.5148, 0.2610



0.6319, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 50.9576, 0.2683, 0.4857 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 50.9576, 0.2683, 0.4857 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 50.9576, 0.2683, 0.4857

Background



This preview shows how black text looks on a background with the Yxy color 50.9576, 0.2683, 0.4857.

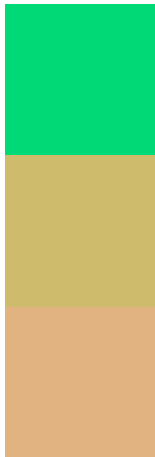


This preview shows how white text looks on a background with the Yxy color 50.9576, 0.2683, 0.4857.

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

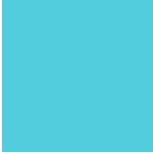
50.9641, 0.2683, 0.4857

Protanopia

50.1710, 0.3919, 0.4261

Deuteranopia

49.6460, 0.3974, 0.3887



Tritanopia

50.6859, 0.2314, 0.3054

Trichromacy



Original Color

50.9641, 0.2683, 0.4857



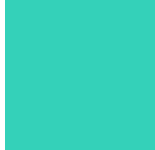
Protanomaly

46.8420, 0.3201, 0.4584



Deuteranomaly

45.4602, 0.3219, 0.4291



Tritanomaly

49.8338, 0.2414, 0.3648

Monochromacy



Original Color

50.9641, 0.2683, 0.4857



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.2430, 0.2757, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9576, 0.2683, 0.4857 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, 217, 119)` looks like.

```
.text, #text, p{  
    color:rgb(1, 217, 119)  
}
```

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, 217, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 217, 119) }
```

Border

The CSS property to change the border of an element to Yxy 50.9576, 0.2683, 0.4857 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, 217, 119) }
```

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

```
.border{ border-color:rgb(1, 217, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 217, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 217, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 217, 119);  
box-shadow:4px 4px 4px 4px rgb(1, 217,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9576, 0.2683, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 217, 119) }
```

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

```
.background{ background-color: rgb(1, 217,  
119) }
```

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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