

Converting Colors

$Y_{xy}(49.1705, 0.2565, 0.4939)$

Have a look what the booklet for
Yxy(49.1705, 0.2565, 0.4939)
contains.

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Color

Yxy(50.3961, 0.2689, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	00D875
RGB	0, 216, 117
RGB Percent	0%, 85%, 46%
CMY	1.0000, 0.1529, 0.5412
CMYK	1.00, 0.00, 0.46, 0.15
HSL	152°, 100%, 42%
HSV	152°, 100%, 85%
XYZ	27.7638, 50.3961, 25.0896
YIQ	140.1300, -96.9570, -76.5810

Conversions

Conversions Part 2

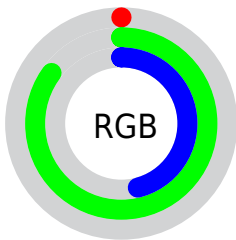
Format	Color
RYB	0, 140, 216
Decimal	55413
CIELab	76.31, -66.14, 36.54
CIELCh	76, 75.565, 151.079
Yxy	50.3961, 0.2689, 0.4881
Android (android.graphics.Color)	4278245493 (0xFF00D875)
YUV	140.1300, -11.4031, -122.8940
Hunter-Lab	70.9902, -54.4227, 28.7386

Details

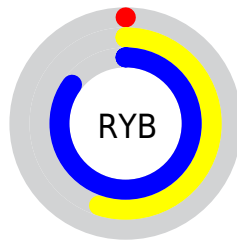
The Yxy color **50.3961, 0.2689, 0.4881** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.5013, 0.5159, 0.2616**, and the grayscale version is **26.3532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4255, 0.2765, 0.4383**, and **25.5469, 0.2792, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **50.3997, 0.2689, 0.4881**, and if you desaturate by 10%, it is **50.8111, 0.2661, 0.4711**.

Distribution



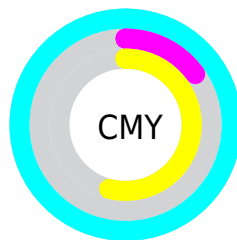
- Red (0%)
- Green (85%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3961, 0.2689, 0.4881 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 50.3961, 0.2689, 0.4881 by changing the saturation by 10% instead.


 50.3961, 0.2689,
0.4881

 50.3961, 0.2689,
0.4881


388.2129, 0.2942,
0.4030

 35.7282, 0.2615,
0.5108


 90.7615, 0.2789,
0.4560


 24.2244, 0.2513,
0.5407


 117.2278, 0.2824,
0.4443

 15.5001, 0.2367,
0.5815


 148.3957, 0.2853,
0.4345

 9.1711, 0.2144,
0.6392

 184.6496, 0.2877,
0.4262

 4.8530, 0.1792,
0.7283

 226.3738, 0.2897,
0.4192

 2.1613, 0.0450,
0.9550

273.9529, 0.2914,


 0.6987, 0.0000,


0.4130

1.0000


327.7711, 0.2929,
0.4077

 0.0000, 0.0000,
0.0000

 50.3961, 0.2689,
0.4881


 50.3961, 0.2689,
0.4881


 50.3997, 0.2689,
0.4881

 50.8111, 0.2661,
0.4711

 51.4337, 0.2650,
0.4534

 52.3297, 0.2660,
0.4354

 53.5337, 0.2689,
0.4174

 55.0754, 0.2736,
0.3999

■ 56.9806, 0.2797,
0.3833

■ 59.2726, 0.2870,
0.3678

■ 61.9725, 0.2951,
0.3535

■ 65.1002, 0.3038,
0.3406

Harmonies

Analogous

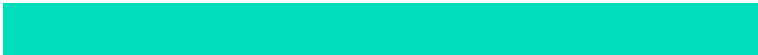
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3961, 0.3623, 0.5195



50.3961, 0.2689, 0.4881



50.3961, 0.1926, 0.3812

Triad

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



50.3961, 0.2689, 0.4881



50.3961, 0.1762, 0.1834



50.3961, 0.5043, 0.3376

Complementary

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



50.3961, 0.2689, 0.4881



15.5013, 0.5159, 0.2616

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.



50.3961, 0.4374, 0.2731



50.3961, 0.2689, 0.4881



50.3961, 0.2379, 0.1891

Square

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



50.3961, 0.2689, 0.4881



50.3961, 0.1483, 0.2083



50.3961, 0.3327, 0.2207



50.3961, 0.5040, 0.4074

Rectangle

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



50.3961, 0.2689, 0.4881



50.3961, 0.1616, 0.3052



50.3961, 0.3327, 0.2207



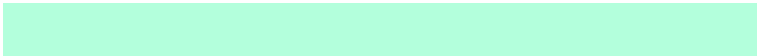
50.3961, 0.4889, 0.3153

Sweetspot

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



50.3997, 0.2689, 0.4881



86.2080, 0.2868, 0.3682



51.8709, 0.3315, 0.5750



18.1344, 0.2836, 0.3747



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.



50.3997, 0.2689, 0.4881



73.3581, 0.2693, 0.4896



50.4646, 0.2218, 0.3184



14.0074, 0.3043, 0.3399



29.8512, 0.2682, 0.4855



1.8171, 0.2600, 0.4559

Inverse Universe

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



15.5013, 0.5159, 0.2616



22.5418, 0.5181, 0.2628



14.7564, 0.6381, 0.3316



12.5146, 0.3220, 0.3184



9.1957, 0.5122, 0.2595



0.5712, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 50.3961, 0.2689, 0.4881 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 50.3961, 0.2689, 0.4881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

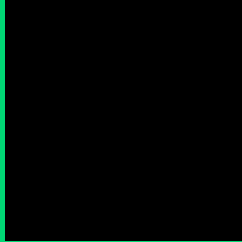
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

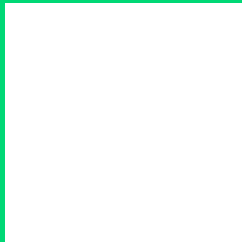
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3961, 0.2689, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 50.3961, 0.2689, 0.4881.



This preview shows how white text looks on a background with the Yxy color 50.3961, 0.2689, 0.4881.

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

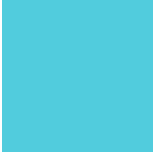
50.3961, 0.2689, 0.4881

Protanopia

49.5604, 0.3930, 0.4276

Deuteranopia

49.0351, 0.3987, 0.3901



Tritanopia

50.1555, 0.2315, 0.3053

Trichromacy



Original Color

50.3961, 0.2689, 0.4881



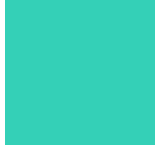
Protanomaly

46.2598, 0.3207, 0.4605



Deuteranomaly

44.8801, 0.3226, 0.4312



Tritanomaly

49.2607, 0.2420, 0.3666

Monochromacy



Original Color

50.3961, 0.2689, 0.4881



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

31.7951, 0.2756, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3961, 0.2689, 0.4881 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(0, 216, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 117)  
}
```

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(0, 216, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 117) }
```

Border

The CSS property to change the border of an element to Yxy 50.3961, 0.2689, 0.4881 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(0, 216, 117) }
```

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

```
.border{ border-color:rgb(0, 216, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3961, 0.2689, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 117) }
```

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

```
.background{ background-color: rgb(0, 216,  
117) }
```

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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