

Converting Colors

$Y_{xy}(46.2258, 0.2100, 0.4735)$

Have a look what the booklet for
Yxy(46.2258, 0.2100, 0.4735)
contains.

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Color

$\text{Yxy}(50.3501, 0.2603, 0.4571)$

Conversions

Conversions Part 1

Format	Color
Hex	00D787
RGB	0, 215, 135
RGB Percent	0%, 84%, 53%
CMY	1.0000, 0.1568, 0.4706
CMYK	1.00, 0.00, 0.37, 0.16
HSL	158°, 100%, 42%
HSV	158°, 100%, 84%
XYZ	28.6723, 50.3501, 31.1287
YIQ	141.5950, -102.4600, -70.4600

Conversions

Conversions Part 2

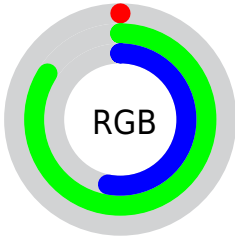
Format	Color
RYB	0, 132, 215
Decimal	55175
CIELab	76.28, -62.44, 27.36
CIELCh	76, 68.169, 156.341
Yxy	50.3501, 0.2603, 0.4571
Android (android.graphics.Color)	4278245255 (0xFF00D787)
YUV	141.5950, -3.2513, -124.1788
Hunter-Lab	70.9578, -52.0486, 23.6603

Details

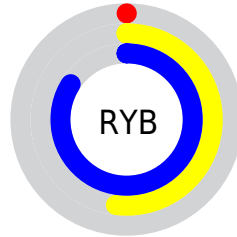
The Yxy color **50.3501, 0.2603, 0.4571** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.0271, 0.5516, 0.2812**, and the grayscale version is **26.9265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1974, 0.2679, 0.4126**, and **25.4364, 0.2692, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **50.3528, 0.2603, 0.4571**, and if you desaturate by 10%, it is **50.7517, 0.2582, 0.4430**.

Distribution



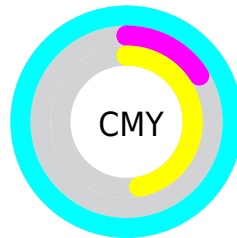
- Red (0%)
- Green (84%)
- Blue (53%)



- Red (0%)
- Yellow (52%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3501, 0.2603, 0.4571 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 50.3501, 0.2603, 0.4571 by changing the saturation by 10% instead.


 50.3501, 0.2603,
0.4571


 50.3501, 0.2603,
0.4571


388.0335, 0.2885,
0.3891

 35.6917, 0.2527,
0.4752


 90.6934, 0.2710,
0.4315

 24.1962, 0.2425,
0.4991


 117.1470, 0.2749,
0.4222


 15.4792, 0.2285,
0.5318


 148.3012, 0.2781,
0.4144

 9.1564, 0.2079,
0.5790

 184.5402, 0.2808,
0.4078

 4.8433, 0.1759,
0.6512

 226.2486, 0.2832,
0.4021

 2.1556, 0.0790,
0.9000

273.8107, 0.2852,

 0.6956, 0.0000,

0.3972

1.0000

327.6108, 0.2869,
0.3929

■ 0.0000, 0.0000,
0.0000

■ 50.3501, 0.2603,
0.4571

■ 50.3501, 0.2603,
0.4571

■ 50.3528, 0.2603,
0.4571

■ 50.7517, 0.2582,
0.4430

■ 51.3516, 0.2578,
0.4286

■ 52.2137, 0.2594,
0.4141

■ 53.3722, 0.2630,
0.3998

■ 54.8558, 0.2685,
0.3859

■ 56.6899, 0.2754,
0.3726

■ 58.8972, 0.2837,
0.3602

■ 61.4984, 0.2928,
0.3488

■ 64.5126, 0.3026,
0.3384

Harmonies

Analogous

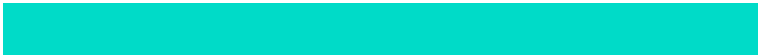
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3501, 0.3455, 0.5012



50.3501, 0.2603, 0.4571



50.3501, 0.1943, 0.3580

Triad

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



50.3501, 0.2603, 0.4571



50.3501, 0.1948, 0.1937



50.3501, 0.4910, 0.3505

Complementary

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



50.3501, 0.2603, 0.4571



15.0271, 0.5516, 0.2812

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.



50.3501, 0.4397, 0.2886



50.3501, 0.2603, 0.4571



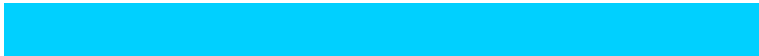
50.3501, 0.2582, 0.2032

Square

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



50.3501, 0.2603, 0.4571



50.3501, 0.1631, 0.2124



50.3501, 0.3484, 0.2367



50.3501, 0.4826, 0.4159

Rectangle

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



50.3501, 0.2603, 0.4571



50.3501, 0.1689, 0.2931



50.3501, 0.3484, 0.2367



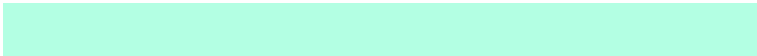
50.3501, 0.4804, 0.3292

Sweetspot

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



50.3528, 0.2603, 0.4571



86.5646, 0.2834, 0.3606



50.4162, 0.3216, 0.5829



18.2192, 0.2798, 0.3658



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.



50.3528, 0.2603, 0.4571



74.0621, 0.2607, 0.4584



41.6994, 0.2143, 0.2914



14.0258, 0.3032, 0.3378



30.1365, 0.2597, 0.4550



1.8335, 0.2530, 0.4306

Inverse Universe

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



15.0271, 0.5516, 0.2812



22.0841, 0.5540, 0.2825



15.1467, 0.6313, 0.3370



12.4965, 0.3233, 0.3204



9.0064, 0.5476, 0.2790



0.5590, 0.5003, 0.2530

Previews

White Background



This preview shows how the Yxy color 50.3501, 0.2603, 0.4571 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 50.3501, 0.2603, 0.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

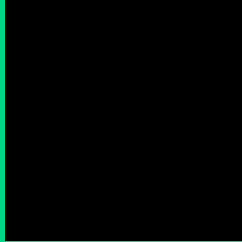
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3501, 0.2603, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 50.3501, 0.2603, 0.4571.



This preview shows how white text looks on a background with the Yxy color 50.3501, 0.2603, 0.4571.

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

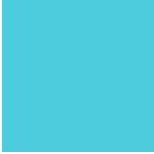
50.3501, 0.2603, 0.4571

Protanopia

49.1044, 0.3778, 0.4078

Deuteranopia

49.2834, 0.3798, 0.3722



Tritanopia

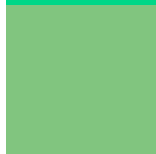
50.4609, 0.2306, 0.3067

Trichromacy



Original Color

50.3501, 0.2603, 0.4571



Protanomaly

46.1319, 0.3092, 0.4342



Deuteranomaly

45.0817, 0.3083, 0.4061



Tritanomaly

49.9716, 0.2384, 0.3571

Monochromacy



Original Color

50.3501, 0.2603, 0.4571



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

32.4137, 0.2715, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3501, 0.2603, 0.4571 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, 215, 135)` looks like.

```
.text, #text, p{  
  color:rgb(0, 215, 135)  
}
```

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, 215, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 135) }
```

Border

The CSS property to change the border of an element to Yxy 50.3501, 0.2603, 0.4571 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, 215, 135) }
```

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

```
.border{ border-color:rgb(0, 215, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3501, 0.2603, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 135) }
```

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

```
.background{ background-color: rgb(0, 215,  
135) }
```

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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