

Converting Colors

$Yxy(56.4984, 0.2666, 0.4797)$

Have a look what the booklet for
Yxy(56.4984, 0.2666, 0.4797)
contains.

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Color

Yxy(56.5231, 0.2664, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	00E381
RGB	0, 227, 129
RGB Percent	0%, 89%, 51%
CMY	1.0000, 0.1098, 0.4941
CMYK	1.00, 0.00, 0.43, 0.11
HSL	154°, 100%, 45%
HSV	154°, 100%, 89%
XYZ	31.4293, 56.5231, 30.0253
YIQ	147.9550, -103.8340, -78.6020

Conversions

Conversions Part 2

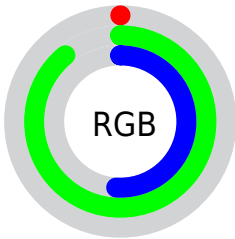
Format	Color
RYB	0, 145, 227
Decimal	58241
CIELab	79.91, -67.65, 35.18
CIELCh	80, 76.255, 152.522
Yxy	56.5231, 0.2664, 0.4791
Android (android.graphics.Color)	4278248321 (0xFF00E381)
YUV	147.9550, -9.3448, -129.7565
Hunter-Lab	75.1818, -56.9475, 28.9487

Details

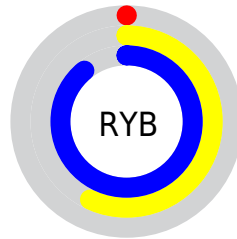
The Yxy color **56.5231, 0.2664, 0.4791** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.2138, 0.5279, 0.2682**, and the grayscale version is **29.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1270, 0.2717, 0.4204**, and **29.2995, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **56.5271, 0.2664, 0.4791**, and if you desaturate by 10%, it is **56.9791, 0.2638, 0.4629**.

Distribution



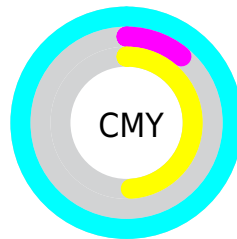
- Red (0%)
- Green (89%)
- Blue (51%)



- Red (0%)
- Yellow (57%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5231, 0.2664, 0.4791 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 56.5231, 0.2664, 0.4791 by changing the saturation by 10% instead.


 56.5231, 0.2664,
0.4791


 56.5231, 0.2664,
0.4791


411.6599, 0.2921,
0.4004


 40.6225, 0.2593,
0.4996


 99.7690, 0.2763,
0.4498


 28.0242, 0.2497,
0.5263


 127.8831, 0.2798,
0.4390


 18.3439, 0.2363,
0.5622

 160.8371, 0.2828,
0.4299

 11.1972, 0.2167,
0.6126

 199.0154, 0.2852,
0.4222

 6.1996, 0.1859,
0.6861

 242.8024, 0.2873,
0.4156

 2.9668, 0.1301,
0.8699

292.5826, 0.2891,


 1.1144, 0.0000,


0.4099


1.0000


348.7403, 0.2907,
0.4048

 0.0000, 0.0000,
0.0000


 56.5231, 0.2664,
0.4791


 56.5231, 0.2664,
0.4791

 56.5271, 0.2664,
0.4791

 56.9791, 0.2638,
0.4629

 57.6664, 0.2628,
0.4462

 58.6572, 0.2639,
0.4292

 59.9910, 0.2670,
0.4122

 61.7008, 0.2719,
0.3958

■ 63.8158, 0.2783,
0.3802

■ 66.3622, 0.2859,
0.3656

■ 69.3639, 0.2944,
0.3522

■ 72.8431, 0.3034,
0.3400

Harmonies

Analogous

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



56.5231, 0.3575, 0.5146



56.5231, 0.2664, 0.4791



56.5231, 0.1931, 0.3742

Triad

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



56.5231, 0.2664, 0.4791



56.5231, 0.1814, 0.1863



56.5231, 0.5006, 0.3413

Complementary

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



56.5231, 0.2664, 0.4791



17.2138, 0.5279, 0.2682

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.



56.5231, 0.4382, 0.2776



56.5231, 0.2664, 0.4791



56.5231, 0.2437, 0.1931

Square

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



56.5231, 0.2664, 0.4791



56.5231, 0.1525, 0.2095



56.5231, 0.3373, 0.2252



56.5231, 0.4979, 0.4100

Rectangle

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



56.5231, 0.2664, 0.4791



56.5231, 0.1636, 0.3015



56.5231, 0.3373, 0.2252



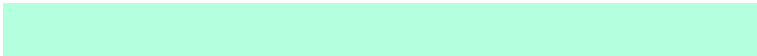
56.5231, 0.4866, 0.3193

Sweetspot

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



56.5271, 0.2664, 0.4791



86.3169, 0.2857, 0.3659



57.5591, 0.3271, 0.5785



18.1602, 0.2824, 0.3719



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

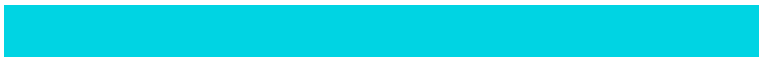
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.5271, 0.2664, 0.4791



73.5619, 0.2667, 0.4801



52.5699, 0.2188, 0.3078



16.2257, 0.3039, 0.3393



32.9884, 0.2657, 0.4767



2.4563, 0.2592, 0.4529

Inverse Universe

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



17.2138, 0.5279, 0.2682



22.3875, 0.5294, 0.2690



16.6774, 0.6362, 0.3331



14.4708, 0.3225, 0.3189



10.0608, 0.5242, 0.2661



0.7618, 0.4873, 0.2458

Previews

White Background



This preview shows how the Yxy color 56.5231, 0.2664, 0.4791 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 56.5231, 0.2664, 0.4791 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 56.5231, 0.2664, 0.4791

Background



This preview shows how black text looks on a background with the Yxy color 56.5231, 0.2664, 0.4791.



This preview shows how white text looks on a background with the Yxy color 56.5231, 0.2664, 0.4791.

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

56.5231, 0.2664, 0.4791

Protanopia

55.2113, 0.3892, 0.4215

Deuteranopia

55.2938, 0.3936, 0.3852



Tritanopia

56.3119, 0.2313, 0.3064

Trichromacy



Original Color

56.5231, 0.2664, 0.4791



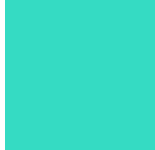
Protanomaly

51.3245, 0.3179, 0.4522



Deuteranomaly

50.3799, 0.3186, 0.4237



Tritanomaly

55.3601, 0.2405, 0.3633

Monochromacy



Original Color

56.5231, 0.2664, 0.4791



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.7471, 0.2743, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5231, 0.2664, 0.4791 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, 227, 129)` looks like.

```
.text, #text, p{  
  color:rgb(0, 227, 129)  
}
```

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, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 129) }
```

Border

The CSS property to change the border of an element to Yxy 56.5231, 0.2664, 0.4791 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, 227, 129) }
```

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

```
.border{ border-color:rgb(0, 227, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5231, 0.2664, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 129) }
```

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

```
.background{ background-color: rgb(0, 227,  
129) }
```

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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