

Converting Colors

Yxy(57.0892, 0.2654, 0.4689)

Have a look what the booklet for
Yxy(57.0892, 0.2654, 0.4689)
contains.

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Color

Yxy(56.8580, 0.2654, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	16E387
RGB	22, 227, 135
RGB Percent	9%, 89%, 53%
CMY	0.9132, 0.1098, 0.4706
CMYK	0.90, 0.00, 0.41, 0.11
HSL	153°, 82%, 49%
HSV	153°, 90%, 89%
XYZ	32.1751, 56.8580, 32.1993
YIQ	155.2170, -92.6480, -72.0720

Conversions

Conversions Part 2

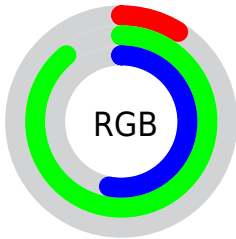
Format	Color
RYB	22, 154, 227
Decimal	1500039
CIELab	80.10, -65.75, 32.44
CIELCh	80, 73.322, 153.739
Yxy	56.8580, 0.2654, 0.4690
Android (android.graphics.Color)	4279690119 (0xFF16E387)
YUV	155.2170, -9.9670, -116.8313
Hunter-Lab	75.4042, -55.7913, 27.4648

Details

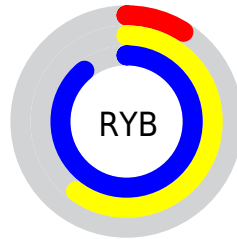
The Yxy color **56.8580, 0.2654, 0.4690** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.1285, 0.4948, 0.2562**, and the grayscale version is **32.9750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6389, 0.2705, 0.4120**, and **29.3895, 0.2727, 0.5017** is the 20% darker color. If you saturate the color by 10%, you get **56.4210, 0.2681, 0.4853**, and if you desaturate by 10%, it is **57.5435, 0.2643, 0.4516**.

Distribution



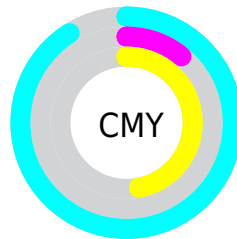
- Red (9%)
- Green (89%)
- Blue (53%)



- Red (9%)
- Yellow (60%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




- Cyan (91%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8580, 0.2654, 0.4690 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 56.8580, 0.2654, 0.4690 by changing the saturation by 10% instead.


 56.8580, 0.2654,
0.4690

 56.8580, 0.2654,
0.4690


412.9170, 0.2911,
0.3959

 40.8912, 0.2584,
0.4880


 100.2580, 0.2752,
0.4418


 28.2341, 0.2491,
0.5128


 128.4600, 0.2787,
0.4318

 18.5022, 0.2362,
0.5461


 161.5092, 0.2817,
0.4233

 11.3111, 0.2175,
0.5930

 199.7900, 0.2842,
0.4162

 6.2765, 0.1885,
0.6621

 243.6867, 0.2863,
0.4100

 3.0139, 0.1386,
0.8194

293.5839, 0.2881,

 1.1390, 0.0000,

0.4047

1.0000

349.8659, 0.2897,
0.4000

■ 0.0110, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8580, 0.2654,
0.4690

■ 56.8580, 0.2654,
0.4690

■ 56.4210, 0.2681,
0.4853

■ 57.5435, 0.2643,
0.4516


■ 58.5310, 0.2652,
0.4339

■ 59.8625, 0.2681,
0.4162


■ 61.5715, 0.2728,
0.3991

 63.6871, 0.2790,
0.3827

 66.2358, 0.2864,
0.3675

 69.2415, 0.2946,
0.3534

 72.7264, 0.3034,
0.3407

 76.7114, 0.3125,
0.3293

Harmonies

Analogous

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



56.8580, 0.3534, 0.5072



56.8580, 0.2654, 0.4690



56.8580, 0.1953, 0.3681

Triad

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



56.8580, 0.2654, 0.4690



56.8580, 0.1875, 0.1906



56.8580, 0.4945, 0.3446

Complementary

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



56.8580, 0.2654, 0.4690



18.1285, 0.4948, 0.2562

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.



56.8580, 0.4367, 0.2820



56.8580, 0.2654, 0.4690



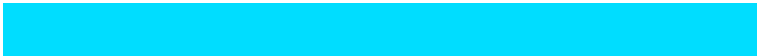
56.8580, 0.2495, 0.1981

Square

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



56.8580, 0.2654, 0.4690



56.8580, 0.1579, 0.2122



56.8580, 0.3407, 0.2304



56.8580, 0.4903, 0.4114

Rectangle

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



56.8580, 0.2654, 0.4690



56.8580, 0.1675, 0.2994



56.8580, 0.3407, 0.2304



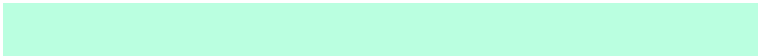
56.8580, 0.4817, 0.3230

Sweetspot

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



56.8603, 0.2654, 0.4690



87.3640, 0.2888, 0.3630



58.5968, 0.3344, 0.5664



18.4280, 0.2861, 0.3680



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.



56.8603, 0.2654, 0.4690



73.4277, 0.2684, 0.4863



55.2195, 0.2220, 0.3147



16.2214, 0.3041, 0.3398



32.9283, 0.2674, 0.4828



2.4520, 0.2606, 0.4582

Inverse Universe

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



18.1285, 0.4948, 0.2562



22.4868, 0.5220, 0.2649



17.4434, 0.6195, 0.3340



14.4751, 0.3222, 0.3185



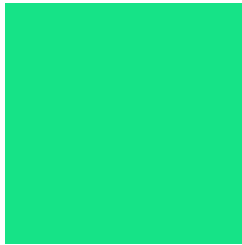
10.1058, 0.5169, 0.2621



0.7653, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 56.8580, 0.2654, 0.4690 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 56.8580, 0.2654, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

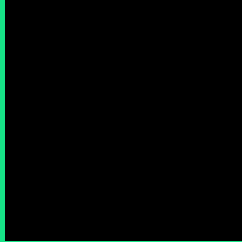
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8580, 0.2654, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 56.8580, 0.2654, 0.4690.

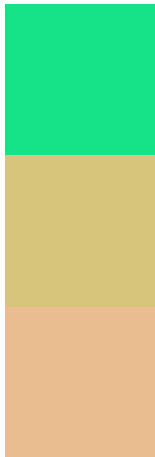


This preview shows how white text looks on a background with the Yxy color 56.8580, 0.2654, 0.4690.

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

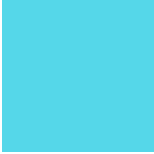
56.8580, 0.2654, 0.4690

Protanopia

55.8096, 0.3843, 0.4160

Deuteranopia

55.7324, 0.3874, 0.3799



Tritanopia

56.4154, 0.2312, 0.3051

Trichromacy



Original Color

56.8580, 0.2654, 0.4690



Protanomaly

52.6638, 0.3200, 0.4427



Deuteranomaly

51.7029, 0.3199, 0.4148



Tritanomaly

55.7184, 0.2417, 0.3601

Monochromacy



Original Color

56.8580, 0.2654, 0.4690



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.3117, 0.2788, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8580, 0.2654, 0.4690 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(22, 227, 135)` looks like.

```
.text, #text, p{  
    color:rgb(22, 227, 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(22, 227, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 227, 135) }
```

Border

The CSS property to change the border of an element to Yxy 56.8580, 0.2654, 0.4690 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(22, 227, 135) }
```

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

```
.border{ border-color:rgb(22, 227, 135) }
```

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

Here you see how a box with a 4 pixel rgb(22, 227, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 227, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 227, 135);  
box-shadow:4px 4px 4px 4px rgb(22, 227,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8580, 0.2654, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 227, 135) }
```

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

```
.background{ background-color: rgb(22, 227,  
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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