

Converting Colors

Yxy(56.6495, 0.2647, 0.4407)

Have a look what the booklet for
Yxy(56.6495, 0.2647, 0.4407)
contains.

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Color

Yxy(56.4129, 0.2643, 0.4398)

Conversions

Conversions Part 1

Format	Color
Hex	3AE096
RGB	58, 224, 150
RGB Percent	23%, 88%, 59%
CMY	0.7729, 0.1215, 0.4118
CMYK	0.74, 0.00, 0.33, 0.12
HSL	153°, 73%, 55%
HSV	153°, 74%, 88%
XYZ	33.9016, 56.4129, 37.9549
YIQ	165.9300, -75.1820, -58.2060

Conversions

Conversions Part 2

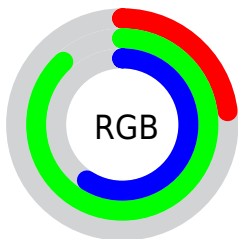
Format	Color
RYB	58, 165, 224
Decimal	3858582
CIELab	79.85, -58.55, 24.50
CIELCh	80, 63.465, 157.292
Yxy	56.4129, 0.2643, 0.4398
Android (android.graphics.Color)	4282048662 (0xFF3AE096)
YUV	165.9300, -7.8535, -94.6546
Hunter-Lab	75.1085, -50.8707, 22.6147

Details

The Yxy color **56.4129, 0.2643, 0.4398** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **20.5303, 0.4507, 0.2541**, and the grayscale version is **38.1530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5170, 0.2696, 0.3898**, and **28.5383, 0.2631, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **55.5765, 0.2642, 0.4573**, and if you desaturate by 10%, it is **57.5728, 0.2665, 0.4222**.

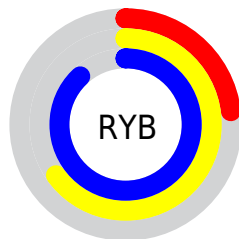
Distribution



Red (23%)

Green (88%)

Blue (59%)



Red (23%)

Yellow (65%)

Blue (88%)

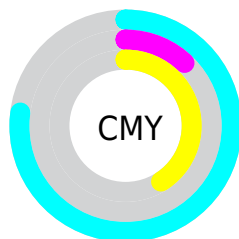


Cyan (74%)

Magenta (0%)

Yellow (33%)

Black (12%)



Cyan (77%)


Magenta (12%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4129, 0.2643, 0.4398 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 56.4129, 0.2643, 0.4398 by changing the saturation by 10% instead.


 56.4129, 0.2643,
0.4398

 56.4129, 0.2643,
0.4398


411.2457, 0.2895,
0.3825

 40.5341, 0.2577,
0.4546


 99.6080, 0.2737,
0.4186

 27.9552, 0.2492,
0.4739


 127.6931, 0.2771,
0.4107


 18.2919, 0.2376,
0.4999


 160.6157, 0.2800,
0.4041

 11.1597, 0.2211,
0.5367

 198.7603, 0.2825,
0.3985

 6.1744, 0.1961,
0.5920

 242.5112, 0.2846,
0.3937

 2.9514, 0.1537,
0.6879

292.2528, 0.2865,

 1.1064, 0.0000,

0.3894

1.0000

348.3695, 0.2881,
0.3857

■ 0.0000, 0.0000,
0.0000

■ 56.4129, 0.2643,
0.4398

■ 56.4129, 0.2643,
0.4398

■ 55.5765, 0.2642,
0.4573

■ 57.5728, 0.2665,
0.4222

■ 55.0153, 0.2660,
0.4743


■ 59.0839, 0.2706,
0.4050

■ 54.7762, 0.2678,
0.4839


■ 60.9781, 0.2763,
0.3884

■ 63.2818, 0.2833,
0.3729

■ 66.0192, 0.2912,
0.3585

 69.2123, 0.2999,
0.3454

 72.8817, 0.3089,
0.3335

 77.0468, 0.3181,
0.3230

 80.8576, 0.3241,
0.3134

Harmonies

Analogous

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



56.4129, 0.3419, 0.4822



56.4129, 0.2643, 0.4398



56.4129, 0.2042, 0.3528

Triad

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



56.4129, 0.2643, 0.4398



56.4129, 0.2066, 0.2051



56.4129, 0.4738, 0.3527

Complementary

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



56.4129, 0.2643, 0.4398



20.5303, 0.4507, 0.2541

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.



56.4129, 0.4288, 0.2948



56.4129, 0.2643, 0.4398



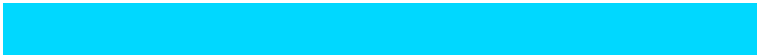
56.4129, 0.2661, 0.2144

Square

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



56.4129, 0.2643, 0.4398



56.4129, 0.1760, 0.2224



56.4129, 0.3481, 0.2461



56.4129, 0.4663, 0.4127

Rectangle

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



56.4129, 0.2643, 0.4398



56.4129, 0.1809, 0.2956



56.4129, 0.3481, 0.2461



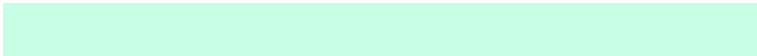
56.4129, 0.4644, 0.3329

Sweetspot

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



56.4152, 0.2643, 0.4398



89.3617, 0.2929, 0.3558



58.5795, 0.3399, 0.5376



18.8926, 0.2906, 0.3595



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.



56.4152, 0.2643, 0.4398



74.0964, 0.2649, 0.4667



55.2397, 0.2280, 0.3174



15.4638, 0.3041, 0.3396



31.9044, 0.2671, 0.4814



2.2294, 0.2599, 0.4556

Inverse Universe

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



20.5303, 0.4507, 0.2541



23.6826, 0.4943, 0.2566



20.0756, 0.5611, 0.3366



13.8015, 0.3223, 0.3186



9.7801, 0.5181, 0.2628



0.6957, 0.4801, 0.2418

Previews

White Background



This preview shows how the Yxy color 56.4129, 0.2643, 0.4398 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 56.4129, 0.2643, 0.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

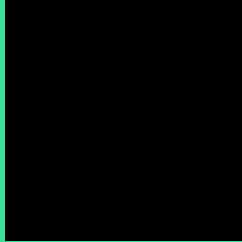
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4129, 0.2643, 0.4398

Background



This preview shows how black text looks on a background with the Yxy color 56.4129, 0.2643, 0.4398.

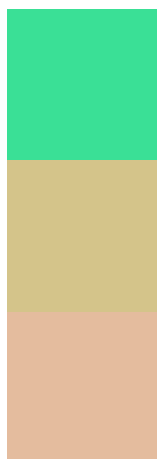


This preview shows how white text looks on a background with the Yxy color 56.4129, 0.2643, 0.4398.

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

56.4129, 0.2643, 0.4398

Protanopia

55.3119, 0.3709, 0.3985

Deuteranopia

54.9290, 0.3717, 0.3636



Tritanopia

56.2423, 0.2348, 0.3065

Trichromacy



Original Color

56.4129, 0.2643, 0.4398



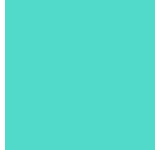
Protanomaly

53.1635, 0.3188, 0.4168



Deuteranomaly

52.2468, 0.3183, 0.3910



Tritanomaly

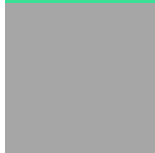
56.1564, 0.2446, 0.3511

Monochromacy



Original Color

56.4129, 0.2643, 0.4398



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.5907, 0.2853, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4129, 0.2643, 0.4398 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(58, 224, 150)` looks like.

```
.text, #text, p{  
    color:rgb(58, 224, 150)  
}
```

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(58, 224, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 224, 150) }
```

Border

The CSS property to change the border of an element to Yxy 56.4129, 0.2643, 0.4398 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(58, 224, 150) }
```

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

```
.border{ border-color:rgb(58, 224, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 224, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 224, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 224, 150);  
box-shadow:4px 4px 4px 4px rgb(58, 224,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4129, 0.2643, 0.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 224, 150) }
```

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

```
.background{ background-color: rgb(58, 224,  
150) }
```

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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