

Converting Colors

$Yxy(56.6285, 0.2598, 0.4162)$

Have a look what the booklet for
Yxy(56.6285, 0.2598, 0.4162)
contains.

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Color

Yxy(56.6139, 0.2596, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	42DFA4
RGB	66, 223, 164
RGB Percent	26%, 87%, 64%
CMY	0.7408, 0.1255, 0.3570
CMYK	0.70, 0.00, 0.26, 0.13
HSL	157°, 71%, 57%
HSV	157°, 70%, 87%
XYZ	35.3377, 56.6139, 44.1722
YIQ	169.3310, -74.6330, -51.6330

Conversions

Conversions Part 2

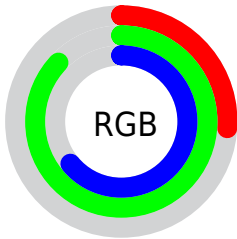
Format	Color
RYB	66, 163, 223
Decimal	4382628
CIELab	79.96, -54.10, 17.40
CIElCh	80, 56.826, 162.174
Yxy	56.6139, 0.2596, 0.4159
Android (android.graphics.Color)	4282572708 (0xFF42DFA4)
YUV	169.3310, -2.6282, -90.6213
Hunter-Lab	75.2422, -47.8408, 17.8624

Details

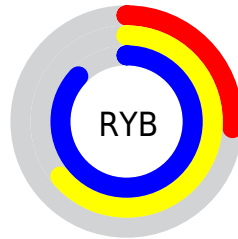
The Yxy color **56.6139, 0.2596, 0.4159** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.0800, 0.4581, 0.2676**, and the grayscale version is **39.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6210, 0.2652, 0.3718**, and **28.8073, 0.2554, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **55.6923, 0.2581, 0.4306**, and if you desaturate by 10%, it is **57.8618, 0.2631, 0.4013**.

Distribution



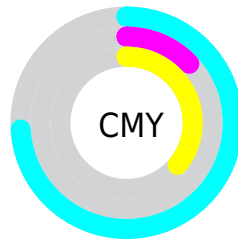
- Red (26%)
- Green (87%)
- Blue (64%)



- Red (26%)
- Yellow (64%)
- Blue (87%)



- Cyan (70%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)





- Cyan (74%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6139, 0.2596, 0.4159 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 56.6139, 0.2596, 0.4159 by changing the saturation by 10% instead.


 56.6139, 0.2596,
0.4159

 56.6139, 0.2596,
0.4159


412.0010, 0.2863,
0.3715


 40.6953, 0.2529,
0.4272


 99.9016, 0.2693,
0.3996


 28.0811, 0.2443,
0.4419


 128.0395, 0.2730,
0.3935

 18.3868, 0.2329,
0.4616


 161.0194, 0.2761,
0.3884

 11.2280, 0.2171,
0.4894


 199.2255, 0.2787,
0.3840

 6.2204, 0.1939,
0.5311

243.0423, 0.2810,
0.3802

 2.9796, 0.1570,
0.5998

292.8543, 0.2830,

 1.1211, 0.0000,

0.3770

1.0000

349.0457, 0.2848,
0.3741

■ 0.0000, 0.0000,
0.0000

■ 56.6139, 0.2596,
0.4159

■ 56.6139, 0.2596,
0.4159

■ 55.6923, 0.2581,
0.4306

■ 57.8618, 0.2631,
0.4013

■ 55.0527, 0.2587,
0.4452


■ 59.4612, 0.2684,
0.3872


■ 54.6422, 0.2608,
0.4589

■ 61.4419, 0.2753,
0.3737

■ 63.8289, 0.2835,
0.3611

■ 66.6451, 0.2925,
0.3495

 69.9115, 0.3023,
0.3389

 73.6478, 0.3124,
0.3293

 77.8723, 0.3226,
0.3208

 80.2954, 0.3244,
0.3128

Harmonies

Analogous

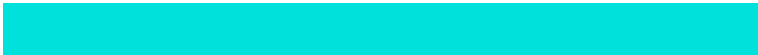
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6139, 0.3288, 0.4625



56.6139, 0.2596, 0.4159



56.6139, 0.2084, 0.3379

Triad

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



56.6139, 0.2596, 0.4159



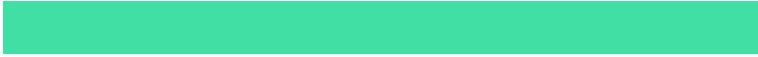
56.6139, 0.2236, 0.2160



56.6139, 0.4594, 0.3614

Complementary

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



56.6139, 0.2596, 0.4159



21.0800, 0.4581, 0.2676

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.



56.6139, 0.4260, 0.3071



56.6139, 0.2596, 0.4159



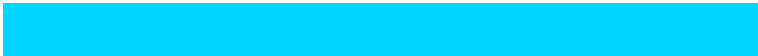
56.6139, 0.2822, 0.2279

Square

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



56.6139, 0.2596, 0.4159



56.6139, 0.1908, 0.2283



56.6139, 0.3575, 0.2601



56.6139, 0.4467, 0.4154

Rectangle

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



56.6139, 0.2596, 0.4159



56.6139, 0.1897, 0.2892



56.6139, 0.3575, 0.2601



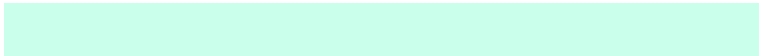
56.6139, 0.4534, 0.3429

Sweetspot

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



56.6161, 0.2596, 0.4159



89.9897, 0.2918, 0.3504



57.6239, 0.3334, 0.5334



19.0243, 0.2892, 0.3535



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.



56.6161, 0.2596, 0.4159



75.0595, 0.2581, 0.4369



50.0061, 0.2265, 0.3034



15.4803, 0.3032, 0.3380



32.1515, 0.2602, 0.4568



2.2458, 0.2541, 0.4347

Inverse Universe

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



21.0800, 0.4581, 0.2676



24.2221, 0.5044, 0.2685



22.4861, 0.5343, 0.3471



13.7854, 0.3233, 0.3202



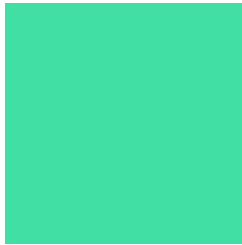
9.6199, 0.5465, 0.2784



0.6838, 0.5046, 0.2553

Previews

White Background



This preview shows how the Yxy color 56.6139, 0.2596, 0.4159 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 56.6139, 0.2596, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

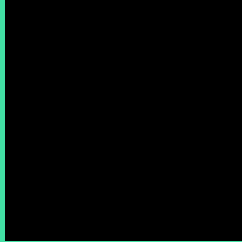
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

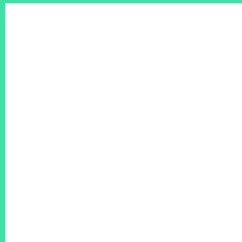
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6139, 0.2596, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 56.6139, 0.2596, 0.4159.

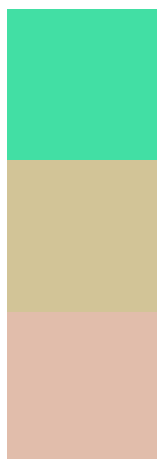


This preview shows how white text looks on a background with the Yxy color 56.6139, 0.2596, 0.4159.

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

56.6139, 0.2596, 0.4159

Protanopia

55.4159, 0.3591, 0.3833

Deuteranopia

55.3430, 0.3578, 0.3499



Tritanopia

56.3522, 0.2347, 0.3052

Trichromacy



Original Color

56.6139, 0.2596, 0.4159



Protanomaly

53.8120, 0.3110, 0.3968



Deuteranomaly

52.8159, 0.3099, 0.3729



Tritanomaly

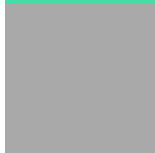
56.0155, 0.2430, 0.3426

Monochromacy



Original Color

56.6139, 0.2596, 0.4159



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.0907, 0.2843, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6139, 0.2596, 0.4159 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(66, 223, 164)` looks like.

```
.text, #text, p{  
    color:rgb(66, 223, 164)  
}
```

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(66, 223, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 223, 164) }
```

Border

The CSS property to change the border of an element to Yxy 56.6139, 0.2596, 0.4159 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(66, 223, 164) }
```

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

```
.border{ border-color:rgb(66, 223, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 223, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 223, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 223, 164);  
box-shadow:4px 4px 4px 4px rgb(66, 223,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6139, 0.2596, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 223, 164) }
```

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

```
.background{ background-color: rgb(66, 223,  
164) }
```

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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