

Converting Colors

Yxy(56.8554, 0.2645, 0.4206)

Have a look what the booklet for
Yxy(56.8554, 0.2645, 0.4206)
contains.

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Color

Yxy(56.8499, 0.2647, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	4CDFA0
RGB	76, 223, 160
RGB Percent	30%, 87%, 63%
CMY	0.7022, 0.1255, 0.3726
CMYK	0.66, 0.00, 0.28, 0.13
HSL	154°, 70%, 59%
HSV	154°, 66%, 87%
XYZ	35.7099, 56.8499, 42.3474
YIQ	171.8650, -67.3890, -50.7570

Conversions

Conversions Part 2

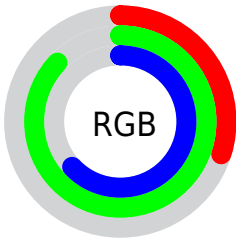
Format	Color
RYB	76, 170, 223
Decimal	5037984
CIELab	80.10, -53.41, 19.69
CIELCh	80, 56.928, 159.762
Yxy	56.8499, 0.2647, 0.4214
Android (android.graphics.Color)	4283228064 (0xFF4CDFA0)
YUV	171.8650, -5.8494, -84.0736
Hunter-Lab	75.3989, -47.4080, 19.4793

Details

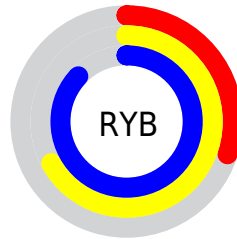
The Yxy color **56.8499, 0.2647, 0.4214** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.7141, 0.4320, 0.2605**, and the grayscale version is **41.2328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0017, 0.2701, 0.3764**, and **28.7201, 0.2578, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **55.7706, 0.2627, 0.4383**, and if you desaturate by 10%, it is **58.2758, 0.2686, 0.4048**.

Distribution



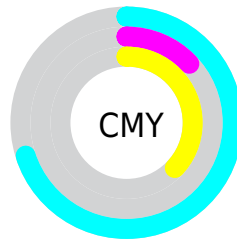
- Red (30%)
- Green (87%)
- Blue (63%)



- Red (30%)
- Yellow (67%)
- Blue (87%)



- Cyan (66%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)





- Cyan (70%)
- Magenta (13%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8499, 0.2647, 0.4214 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 56.8499, 0.2647, 0.4214 by changing the saturation by 10% instead.

 56.8499, 0.2647,
0.4214

 56.8499, 0.2647,
0.4214


412.8866, 0.2891,
0.3741


 40.8847, 0.2585,
0.4335


 100.2461, 0.2737,
0.4040

 28.2290, 0.2505,
0.4492


 128.4460, 0.2770,
0.3975

 18.4984, 0.2398,
0.4703


 161.4929, 0.2798,
0.3920

 11.3084, 0.2248,
0.5001

 199.7712, 0.2822,
0.3874

 6.2747, 0.2025,
0.5450

243.6654, 0.2843,
0.3834

 3.0128, 0.1664,
0.6185

293.5597, 0.2861,

 1.1384, 0.0000,

0.3799

1.0000

349.8387, 0.2877,
0.3768

■ 0.0105, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8499, 0.2647,
0.4214

■ 56.8499, 0.2647,
0.4214

■ 55.7706, 0.2627,
0.4383

■ 58.2758, 0.2686,
0.4048

■ 54.9962, 0.2628,
0.4550


■ 60.0714, 0.2742,
0.3888

■ 54.4858, 0.2649,
0.4713


■ 62.2657, 0.2811,
0.3737


■ 54.3239, 0.2661,
0.4778

■ 64.8828, 0.2892,
0.3597

 67.9448, 0.2979,
0.3469

 71.4723, 0.3071,
0.3353

 75.4845, 0.3165,
0.3249

 79.9996, 0.3260,
0.3157

 80.6932, 0.3201,
0.3065

Harmonies

Analogous

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



56.8499, 0.3347, 0.4640



56.8499, 0.2647, 0.4214



56.8499, 0.2115, 0.3443

Triad

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



56.8499, 0.2647, 0.4214



56.8499, 0.2200, 0.2160



56.8499, 0.4585, 0.3569

Complementary

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



56.8499, 0.2647, 0.4214



22.7141, 0.4320, 0.2605

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.



56.8499, 0.4215, 0.3030



56.8499, 0.2647, 0.4214



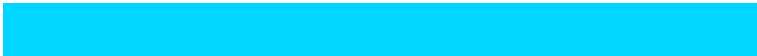
56.8499, 0.2767, 0.2261

Square

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



56.8499, 0.2647, 0.4214



56.8499, 0.1893, 0.2305



56.8499, 0.3513, 0.2569



56.8499, 0.4494, 0.4113

Rectangle

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



56.8499, 0.2647, 0.4214



56.8499, 0.1912, 0.2945



56.8499, 0.3513, 0.2569



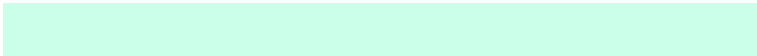
56.8499, 0.4512, 0.3385

Sweetspot

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



56.8522, 0.2647, 0.4214



90.2490, 0.2942, 0.3521



58.8481, 0.3389, 0.5187



19.0679, 0.2917, 0.3558



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.



56.8522, 0.2647, 0.4214



75.1447, 0.2625, 0.4444



54.5539, 0.2321, 0.3155



15.4679, 0.3039, 0.3392



31.9621, 0.2654, 0.4754



2.2333, 0.2585, 0.4505

Inverse Universe

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



22.7141, 0.4320, 0.2605



25.7461, 0.4715, 0.2568



22.8267, 0.5210, 0.3394



13.7975, 0.3225, 0.3190



9.7376, 0.5252, 0.2667



0.6926, 0.4861, 0.2452

Previews

White Background



This preview shows how the Yxy color 56.8499, 0.2647, 0.4214 looks on a white background.

Color Contrast Check

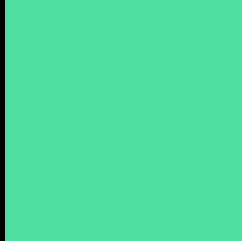
Large Text (above 18pt) WCAG AA × Fail

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 56.8499, 0.2647, 0.4214 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 56.8499, 0.2647, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 56.8499, 0.2647, 0.4214.

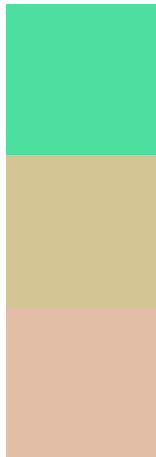


This preview shows how white text looks on a background with the Yxy color 56.8499, 0.2647, 0.4214.

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

56.8499, 0.2647, 0.4214

Protanopia

55.9195, 0.3619, 0.3879

Deuteranopia

55.7857, 0.3618, 0.3556



Tritanopia

56.7462, 0.2381, 0.3067

Trichromacy



Original Color

56.8499, 0.2647, 0.4214



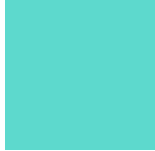
Protanomaly

54.0910, 0.3167, 0.4018



Deuteranomaly

53.5793, 0.3157, 0.3792



Tritanomaly

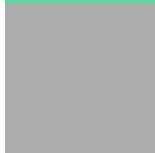
56.3606, 0.2472, 0.3453

Monochromacy



Original Color

56.8499, 0.2647, 0.4214



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.4071, 0.2874, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8499, 0.2647, 0.4214 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(76, 223, 160)` looks like.

```
.text, #text, p{  
    color:rgb(76, 223, 160)  
}
```

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(76, 223, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 223, 160) }
```

Border

The CSS property to change the border of an element to Yxy 56.8499, 0.2647, 0.4214 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(76, 223, 160) }
```

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

```
.border{ border-color:rgb(76, 223, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 223, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 223, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 223, 160);  
box-shadow:4px 4px 4px 4px rgb(76, 223,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8499, 0.2647, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 223, 160) }
```

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

```
.background{ background-color: rgb(76, 223,  
160) }
```

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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