

Converting Colors

$Y_{xy}(56.7310, 0.2515, 0.3973)$

Have a look what the booklet for
Yxy(56.7310, 0.2515, 0.3973)
contains.

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Color

Yxy(56.8095, 0.2517, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	3ADFB0
RGB	58, 223, 176
RGB Percent	23%, 87%, 69%
CMY	0.7721, 0.1255, 0.3099
CMYK	0.74, 0.00, 0.21, 0.13
HSL	163°, 72%, 55%
HSV	163°, 74%, 87%
XYZ	35.9722, 56.8095, 50.1353
YIQ	168.3070, -83.2530, -49.5970

Conversions

Conversions Part 2

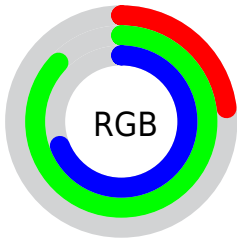
Format	Color
RYB	58, 154, 223
Decimal	3858352
CIELab	80.07, -52.43, 11.20
CIELCh	80, 53.618, 167.940
Yxy	56.8095, 0.2517, 0.3975
Android (android.graphics.Color)	4282048432 (0xFF3ADFB0)
YUV	168.3070, 3.7926, -96.7392
Hunter-Lab	75.3721, -46.7099, 13.3225

Details

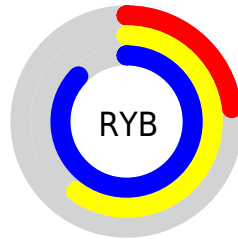
The Yxy color **56.8095, 0.2517, 0.3975** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **19.7474, 0.4955, 0.2835**, and the grayscale version is **39.3437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9354, 0.2573, 0.3559**, and **29.0675, 0.2489, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **56.0347, 0.2502, 0.4084**, and if you desaturate by 10%, it is **57.8899, 0.2552, 0.3867**.

Distribution



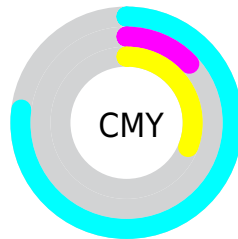
- Red (23%)
- Green (87%)
- Blue (69%)



- Red (23%)
- Yellow (60%)
- Blue (87%)



- Cyan (74%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)




- Cyan (77%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8095, 0.2517, 0.3975 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 56.8095, 0.2517, 0.3975 by changing the saturation by 10% instead.


 56.8095, 0.2517,
0.3975

 56.8095, 0.2517,
0.3975


412.7351, 0.2817,
0.3630


 40.8523, 0.2444,
0.4062


 100.1872, 0.2625,
0.3849

 28.2037, 0.2351,
0.4173


 128.3764, 0.2665,
0.3802


 18.4793, 0.2230,
0.4321


 161.4119, 0.2700,
0.3762

 11.2946, 0.2066,
0.4527

 199.6778, 0.2730,
0.3728

 6.2654, 0.1831,
0.4833

 243.5588, 0.2756,
0.3699

 3.0071, 0.1474,
0.5328

293.4390, 0.2779,

 1.1354, 0.0000,

0.3673

0.7249

349.7030, 0.2799,
0.3650

■ 0.0080, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8095, 0.2517,
0.3975

■ 56.8095, 0.2517,
0.3975

■ 56.0347, 0.2502,
0.4084

■ 57.8899, 0.2552,
0.3867


■ 55.5184, 0.2506,
0.4191


■ 59.3025, 0.2607,
0.3761


■ 55.2926, 0.2516,
0.4256

■ 61.0784, 0.2679,
0.3660


■ 63.2433, 0.2765,
0.3564

 65.8204, 0.2863,
0.3475

 68.8313, 0.2970,
0.3392

 72.2959, 0.3082,
0.3317

 76.2327, 0.3197,
0.3250

 79.9300, 0.3286,
0.3189

Harmonies

Analogous

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



56.8095, 0.3155, 0.4495



56.8095, 0.2517, 0.3975



56.8095, 0.2074, 0.3238

Triad

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



56.8095, 0.2517, 0.3975



56.8095, 0.2372, 0.2220



56.8095, 0.4523, 0.3708

Complementary

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



56.8095, 0.2517, 0.3975



19.7474, 0.4955, 0.2835

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.



56.8095, 0.4287, 0.3183



56.8095, 0.2517, 0.3975



56.8095, 0.2971, 0.2373

Square

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



56.8095, 0.2517, 0.3975



56.8095, 0.2008, 0.2294



56.8095, 0.3689, 0.2714



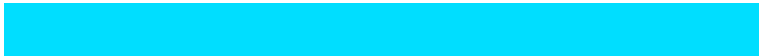
56.8095, 0.4331, 0.4206

Rectangle

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



56.8095, 0.2517, 0.3975



56.8095, 0.1930, 0.2805



56.8095, 0.3689, 0.2714



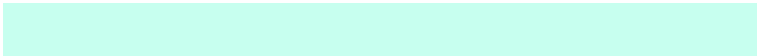
56.8095, 0.4493, 0.3531

Sweetspot

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



56.8117, 0.2517, 0.3975



89.8807, 0.2882, 0.3459



56.2431, 0.3243, 0.5479



19.0156, 0.2853, 0.3483



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.



56.8117, 0.2517, 0.3975



75.4981, 0.2502, 0.4146



43.0665, 0.2190, 0.2816



15.5022, 0.3020, 0.3358



32.5318, 0.2511, 0.4240



2.2701, 0.2465, 0.4075

Inverse Universe

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



19.7474, 0.4955, 0.2835



22.8789, 0.5528, 0.2899



23.4915, 0.5364, 0.3606



13.7645, 0.3247, 0.3223



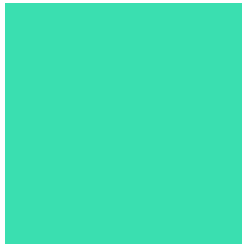
9.4560, 0.5806, 0.2972



0.6706, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 56.8095, 0.2517, 0.3975 looks on a white background.

Color Contrast Check

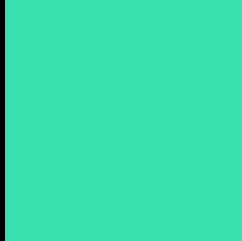
Large Text (above 18pt) WCAG AA × Fail

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 56.8095, 0.2517, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

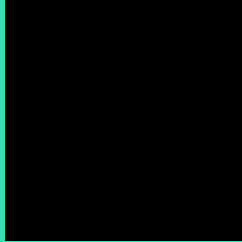
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

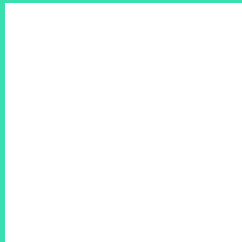
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8095, 0.2517, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 56.8095, 0.2517, 0.3975.

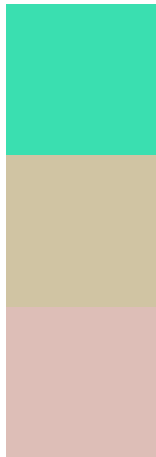


This preview shows how white text looks on a background with the Yxy color 56.8095, 0.2517, 0.3975.

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

56.8095, 0.2517, 0.3975

Protanopia

55.5341, 0.3479, 0.3690

Deuteranopia

55.6180, 0.3442, 0.3372



Tritanopia

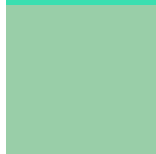
56.5103, 0.2319, 0.3052

Trichromacy



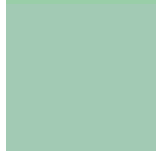
Original Color

56.8095, 0.2517, 0.3975



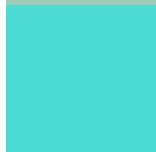
Protanomaly

53.7421, 0.2994, 0.3806



Deuteranomaly

53.2177, 0.2978, 0.3581



Tritanomaly

56.4328, 0.2385, 0.3370

Monochromacy



Original Color

56.8095, 0.2517, 0.3975



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.4959, 0.2787, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8095, 0.2517, 0.3975 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, 223, 176)` looks like.

```
.text, #text, p{  
    color:rgb(58, 223, 176)  
}
```

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, 223, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 223, 176) }
```

Border

The CSS property to change the border of an element to Yxy 56.8095, 0.2517, 0.3975 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, 223, 176) }
```

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

```
.border{ border-color:rgb(58, 223, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 223, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 223, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 223, 176);  
box-shadow:4px 4px 4px 4px rgb(58, 223,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8095, 0.2517, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 223, 176) }
```

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

```
.background{ background-color: rgb(58, 223,  
176) }
```

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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