

Converting Colors

$Yxy(56.3159, 0.2436, 0.3719)$

Have a look what the booklet for
Yxy(56.3159, 0.2436, 0.3719)
contains.

Yxy(56.3152, 0.2436, 0.3719)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3152, 0.2436, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	38DDBF
RGB	56, 221, 191
RGB Percent	22%, 87%, 75%
CMY	0.7808, 0.1333, 0.2509
CMYK	0.75, 0.00, 0.14, 0.13
HSL	169°, 71%, 54%
HSV	169°, 75%, 87%
XYZ	36.8873, 56.3152, 58.2232
YIQ	168.2450, -88.7100, -44.3100

Conversions

Conversions Part 2

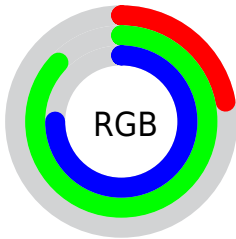
Format	Color
RYB	56, 147, 221
Decimal	3726783
CIELab	79.79, -48.19, 2.83
CIELCh	80, 48.272, 176.643
Yxy	56.3152, 0.2436, 0.3719
Android (android.graphics.Color)	4281916863 (0xFF38DDBF)
YUV	168.2450, 11.2182, -98.4389
Hunter-Lab	75.0435, -43.5851, 6.5297

Details

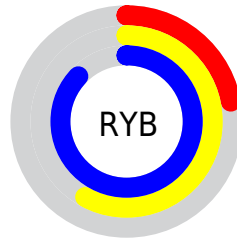
The Yxy color **56.3152, 0.2436, 0.3719** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **18.8608, 0.5269, 0.3020**, and the grayscale version is **39.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7474, 0.2504, 0.3380**, and **28.7452, 0.2392, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **55.6420, 0.2414, 0.3785**, and if you desaturate by 10%, it is **57.2783, 0.2478, 0.3653**.

Distribution



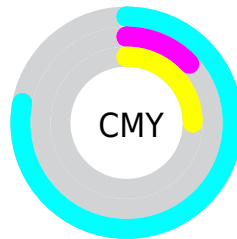
- Red (22%)
- Green (87%)
- Blue (75%)



- Red (22%)
- Yellow (58%)
- Blue (87%)



- Cyan (75%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (78%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3152, 0.2436, 0.3719 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 56.3152, 0.2436, 0.3719 by changing the saturation by 10% instead.


 56.3152, 0.2436,
0.3719

 56.3152, 0.2436,
0.3719

410.8783, 0.2769,
0.3510


 40.4557, 0.2357,
0.3770


 99.4653, 0.2554,
0.3644

 27.8940, 0.2257,
0.3834


 127.5247, 0.2599,
0.3616

 18.2458, 0.2129,
0.3917

 160.4194, 0.2638,
0.3591

 11.1266, 0.1958,
0.4030

 198.5340, 0.2671,
0.3571

 6.1520, 0.1720,
0.4190

 242.2528, 0.2700,
0.3552

 2.9378, 0.1371,
0.4435

291.9602, 0.2726,

 1.0993, 0.0000,

0.3536

0.5279

348.0405, 0.2749,
0.3522

■ 0.0000, 0.0000,
0.0000

■ 56.3152, 0.2436,
0.3719

■ 56.3152, 0.2436,
0.3719

■ 55.6420, 0.2414,
0.3785

■ 57.2783, 0.2478,
0.3653

■ 55.2119, 0.2410,
0.3850


■ 58.5576, 0.2540,
0.3589


■ 55.0483, 0.2413,
0.3885

■ 60.1836, 0.2619,
0.3526

■ 62.1816, 0.2714,
0.3467

■ 64.5745, 0.2822,
0.3410

 67.3831, 0.2941,
0.3358

 70.6270, 0.3066,
0.3311

 74.3245, 0.3196,
0.3268

 78.4928, 0.3329,
0.3229

Harmonies

Analogous

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



56.3152, 0.2982, 0.4270



56.3152, 0.2436, 0.3719



56.3152, 0.2095, 0.3069

Triad

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



56.3152, 0.2436, 0.3719



56.3152, 0.2581, 0.2330



56.3152, 0.4380, 0.3823

Complementary

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



56.3152, 0.2436, 0.3719



18.8608, 0.5269, 0.3020

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.



56.3152, 0.4276, 0.3339



56.3152, 0.2436, 0.3719



56.3152, 0.3174, 0.2525

Square

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



56.3152, 0.2436, 0.3719



56.3152, 0.2176, 0.2337



56.3152, 0.3815, 0.2882



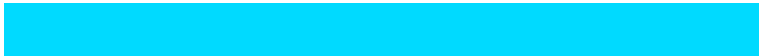
56.3152, 0.4116, 0.4243

Rectangle

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



56.3152, 0.2436, 0.3719



56.3152, 0.2009, 0.2717



56.3152, 0.3815, 0.2882



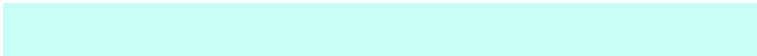
56.3152, 0.4389, 0.3663

Sweetspot

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



56.3174, 0.2436, 0.3719



90.2294, 0.2851, 0.3397



53.9881, 0.3138, 0.5568



19.0987, 0.2820, 0.3412



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.



56.3174, 0.2436, 0.3719



76.5530, 0.2409, 0.3824



34.3303, 0.2108, 0.2512



14.7869, 0.3006, 0.3333



31.9908, 0.2410, 0.3875



2.0833, 0.2380, 0.3768

Inverse Universe

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



18.8608, 0.5269, 0.3020



22.3844, 0.5885, 0.3091



26.4200, 0.5185, 0.3814



13.0900, 0.3263, 0.3248



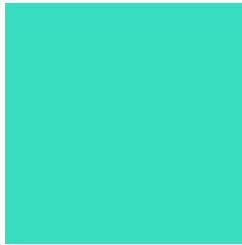
9.0315, 0.6112, 0.3141



0.5968, 0.5676, 0.2900

Previews

White Background



This preview shows how the Yxy color 56.3152, 0.2436, 0.3719 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 56.3152, 0.2436, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

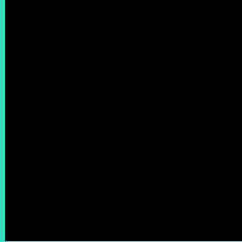
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

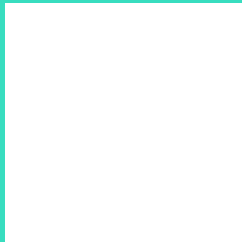
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3152, 0.2436, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 56.3152, 0.2436, 0.3719.

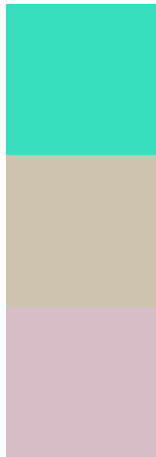


This preview shows how white text looks on a background with the Yxy color 56.3152, 0.2436, 0.3719.

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

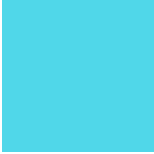
56.3152, 0.2436, 0.3719

Protanopia

55.0419, 0.3338, 0.3509

Deuteranopia

55.2003, 0.3263, 0.3197



Tritanopia

56.1895, 0.2297, 0.3050

Trichromacy



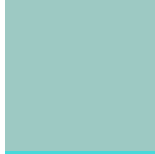
Original Color

56.3152, 0.2436, 0.3719



Protanomaly

53.0472, 0.2881, 0.3586



Deuteranomaly

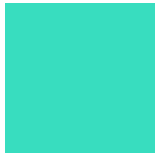
52.8815, 0.2843, 0.3368



Tritanomaly

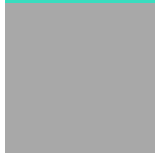
56.0273, 0.2341, 0.3274

Monochromacy



Original Color

56.3152, 0.2436, 0.3719



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.1873, 0.2746, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3152, 0.2436, 0.3719 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(56, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(56, 221, 191)  
}
```

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(56, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 221, 191) }
```

Border

The CSS property to change the border of an element to Yxy 56.3152, 0.2436, 0.3719 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(56, 221, 191) }
```

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

```
.border{ border-color:rgb(56, 221, 191) }
```

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

Here you see how a box with a 4 pixel rgb(56, 221, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 221, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 221, 191);  
box-shadow:4px 4px 4px 4px rgb(56, 221,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3152, 0.2436, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 221, 191) }
```

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

```
.background{ background-color: rgb(56, 221,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor