

Converting Colors

$Yxy(56.0321, 0.2487, 0.3551)$

Have a look what the booklet for
Yxy(56.0321, 0.2487, 0.3551)
contains.

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Color

Yxy(55.8239, 0.2482, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	58D9C7
RGB	88, 217, 199
RGB Percent	35%, 85%, 78%
CMY	0.6551, 0.1490, 0.2197
CMYK	0.59, 0.00, 0.08, 0.15
HSL	172°, 63%, 60%
HSV	172°, 59%, 85%
XYZ	39.1398, 55.8239, 62.7309
YIQ	176.3770, -71.1060, -32.9460

Conversions

Conversions Part 2

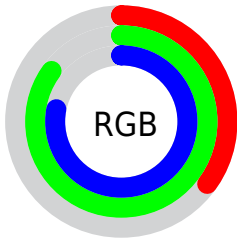
Format	Color
RYB	88, 157, 217
Decimal	5822919
CIELab	79.51, -39.71, -1.74
CIElCh	80, 39.745, 182.510
Yxy	55.8239, 0.2482, 0.3540
Android (android.graphics.Color)	4284012999 (0xFF58D9C7)
YUV	176.3770, 11.1531, -77.5066
Hunter-Lab	74.7154, -37.2444, 2.5210

Details

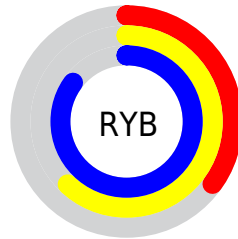
The Yxy color **55.8239, 0.2482, 0.3540** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7642, 0.4711, 0.3090**, and the grayscale version is **43.5844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **27.5341, 0.2333, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **54.7813, 0.2427, 0.3589**, and if you desaturate by 10%, it is **57.1886, 0.2556, 0.3492**.

Distribution



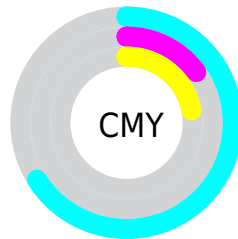
- Red (35%)
- Green (85%)
- Blue (78%)



- Red (35%)
- Yellow (62%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)




- Cyan (66%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8239, 0.2482, 0.3540 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 55.8239, 0.2482, 0.3540 by changing the saturation by 10% instead.

 55.8239, 0.2482,
0.3540

 55.8239, 0.2482,
0.3540


409.0275, 0.2791,
0.3422


 40.0618, 0.2409,
0.3568


 98.7471, 0.2591,
0.3499


 27.5867, 0.2317,
0.3602


 126.6768, 0.2633,
0.3483

 18.0143, 0.2199,
0.3645


 159.4313, 0.2669,
0.3469

 10.9603, 0.2042,
0.3703

 197.3948, 0.2700,
0.3457

 6.0401, 0.1823,
0.3780

240.9518, 0.2727,
0.3446

 2.8695, 0.1502,
0.3890

290.4867, 0.2751,

 1.0640, 0.0132,

0.3437

0.4438

346.3838, 0.2772,
0.3429

0.0000, 0.0000,
0.0000

55.8239, 0.2482,
0.3540

55.8239, 0.2482,
0.3540

54.7813, 0.2427,
0.3589

57.1886, 0.2556,
0.3492

54.0255, 0.2391,
0.3639

58.8945, 0.2648,
0.3446

53.5243, 0.2373,
0.3688

60.9663, 0.2754,
0.3402

53.2203, 0.2372,
0.3737

63.4251, 0.2873,
0.3361

53.2061, 0.2372,
0.3739

66.2900, 0.3000,
0.3323

■ 69.5791, 0.3134,
0.3288

■ 73.3092, 0.3272,
0.3257

■ 76.2319, 0.3363,
0.3228

■ 76.3971, 0.3341,
0.3198

Harmonies

Analogous

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



55.8239, 0.2917, 0.4015



55.8239, 0.2482, 0.3540



55.8239, 0.2228, 0.3024

Triad

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



55.8239, 0.2482, 0.3540



55.8239, 0.2763, 0.2497



55.8239, 0.4148, 0.3829

Complementary

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



55.8239, 0.2482, 0.3540



22.7642, 0.4711, 0.3090

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.



55.8239, 0.4117, 0.3425



55.8239, 0.2482, 0.3540



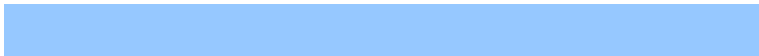
55.8239, 0.3277, 0.2695

Square

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



55.8239, 0.2482, 0.3540



55.8239, 0.2380, 0.2473



55.8239, 0.3788, 0.3023



55.8239, 0.3887, 0.4142

Rectangle

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



55.8239, 0.2482, 0.3540



55.8239, 0.2181, 0.2751



55.8239, 0.3788, 0.3023



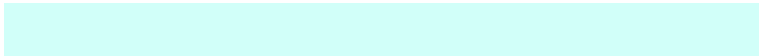
55.8239, 0.4173, 0.3699

Sweetspot

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



55.8261, 0.2482, 0.3540



91.9037, 0.2889, 0.3356



53.4799, 0.3143, 0.5143



19.4309, 0.2853, 0.3367



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.



55.8261, 0.2482, 0.3540



78.6704, 0.2417, 0.3600



36.5260, 0.2252, 0.2631



14.7966, 0.3001, 0.3323



32.2162, 0.2370, 0.3732



2.0959, 0.2348, 0.3652

Inverse Universe

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



22.7642, 0.4711, 0.3090



27.0564, 0.5241, 0.3086



32.2647, 0.4592, 0.3821



13.0810, 0.3270, 0.3258



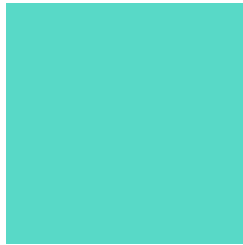
8.9968, 0.6207, 0.3193



0.5926, 0.5823, 0.2982

Previews

White Background



This preview shows how the Yxy color 55.8239, 0.2482, 0.3540 looks on a white background.

Color Contrast Check

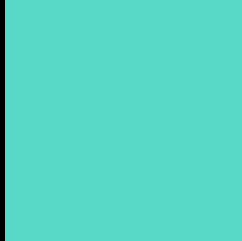
Large Text (above 18pt) WCAG AA × Fail

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 55.8239, 0.2482, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

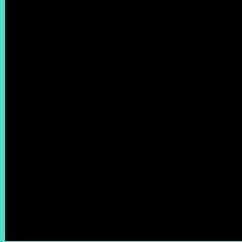
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

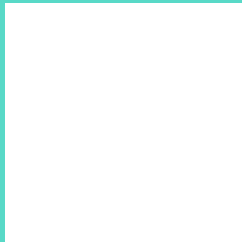
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8239, 0.2482, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 55.8239, 0.2482, 0.3540.

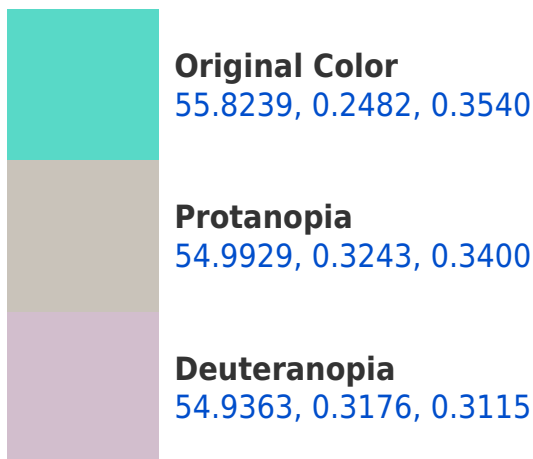


This preview shows how white text looks on a background with the Yxy color 55.8239, 0.2482, 0.3540.

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





Tritanopia

56.0110, 0.2371, 0.3065

Trichromacy



Original Color

55.8239, 0.2482, 0.3540



Protanomaly

53.9470, 0.2891, 0.3447



Deuteranomaly

53.7273, 0.2853, 0.3251



Tritanomaly

55.6944, 0.2409, 0.3221

Monochromacy



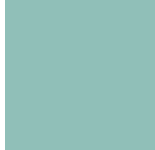
Original Color

55.8239, 0.2482, 0.3540



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.6516, 0.2816, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8239, 0.2482, 0.3540 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(88, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(88, 217, 199)  
}
```

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(88, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 217, 199) }
```

Border

The CSS property to change the border of an element to Yxy 55.8239, 0.2482, 0.3540 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(88, 217, 199) }
```

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

```
.border{ border-color:rgb(88, 217, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 217, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 217, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 217, 199);  
box-shadow:4px 4px 4px 4px rgb(88, 217,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8239, 0.2482, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 217, 199) }
```

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

```
.background{ background-color: rgb(88, 217,  
199) }
```

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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