

Converting Colors

Yxy(55.4429, 0.2582, 0.4139)

Have a look what the booklet for
Yxy(55.4429, 0.2582, 0.4139)
contains.

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Color

Yxy(55.4500, 0.2582, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	3FDDA4
RGB	63, 221, 164
RGB Percent	25%, 87%, 64%
CMY	0.7522, 0.1334, 0.3569
CMYK	0.71, 0.00, 0.26, 0.13
HSL	158°, 70%, 56%
HSV	158°, 71%, 87%
XYZ	34.6160, 55.4500, 44.0007
YIQ	167.2600, -75.8710, -51.2230

Conversions

Conversions Part 2

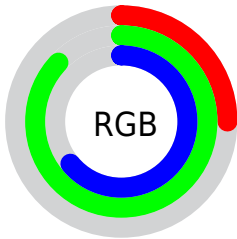
Format	Color
RYB	63, 159, 221
Decimal	4185508
CIELab	79.30, -53.71, 16.45
CIELCh	79, 56.169, 162.975
Yxy	55.4500, 0.2582, 0.4136
Android (android.graphics.Color)	4282375588 (0xFF3FDDA4)
YUV	167.2600, -1.6072, -91.4360
Hunter-Lab	74.4648, -47.3350, 17.0913

Details

The Yxy color **55.4500, 0.2582, 0.4136** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.3075, 0.4654, 0.2700**, and the grayscale version is **38.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3803, 0.2639, 0.3719**, and **28.0801, 0.2546, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **54.5830, 0.2568, 0.4277**, and if you desaturate by 10%, it is **56.6315, 0.2616, 0.3997**.

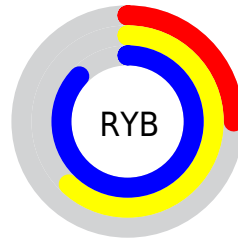
Distribution



Red (25%)

Green (87%)

Blue (64%)



Red (25%)

Yellow (62%)

Blue (87%)

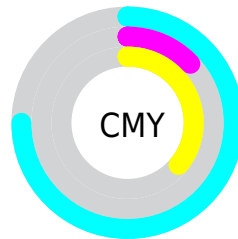


Cyan (71%)

Magenta (0%)

Yellow (26%)

Black (13%)



Cyan (75%)


Magenta (13%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4500, 0.2582, 0.4136 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 55.4500, 0.2582, 0.4136 by changing the saturation by 10% instead.


 55.4500, 0.2582,
0.4136


 55.4500, 0.2582,
0.4136

407.6155, 0.2856,
0.3703

 39.7621, 0.2513,
0.4247

 98.2000, 0.2682,
0.3977

 27.3531, 0.2425,
0.4390


 126.0308, 0.2719,
0.3917

 17.8386, 0.2308,
0.4584


 158.6782, 0.2751,
0.3867

 10.8342, 0.2146,
0.4857

 196.5263, 0.2778,
0.3825

 5.9554, 0.1908,
0.5269

239.9598, 0.2802,
0.3788

 2.8180, 0.1521,
0.5957

289.3628, 0.2822,

 1.0375, 0.0000,

0.3756

1.0000

345.1199, 0.2840,
0.3728

■ 0.0000, 0.0000,
0.0000

■ 55.4500, 0.2582,
0.4136

■ 55.4500, 0.2582,
0.4136

■ 54.5830, 0.2568,
0.4277

■ 56.6315, 0.2616,
0.3997

■ 53.9865, 0.2574,
0.4416


■ 58.1525, 0.2669,
0.3861

■ 53.6372, 0.2593,
0.4533


■ 60.0427, 0.2738,
0.3731


■ 62.3266, 0.2820,
0.3610

■ 65.0266, 0.2911,
0.3498

 68.1636, 0.3010,
0.3395

 71.7568, 0.3113,
0.3302

 75.8244, 0.3217,
0.3219

 79.0151, 0.3270,
0.3143

Harmonies

Analogous

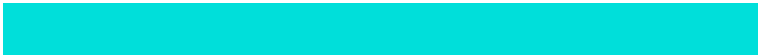
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.4500, 0.3269, 0.4613



55.4500, 0.2582, 0.4136



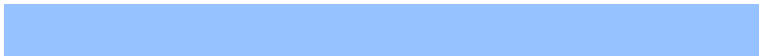
55.4500, 0.2078, 0.3358

Triad

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



55.4500, 0.2582, 0.4136



55.4500, 0.2252, 0.2164



55.4500, 0.4590, 0.3628

Complementary

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



55.4500, 0.2582, 0.4136



20.3075, 0.4654, 0.2700

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.



55.4500, 0.4269, 0.3086



55.4500, 0.2582, 0.4136



55.4500, 0.2842, 0.2289

Square

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



55.4500, 0.2582, 0.4136



55.4500, 0.1918, 0.2281



55.4500, 0.3594, 0.2615



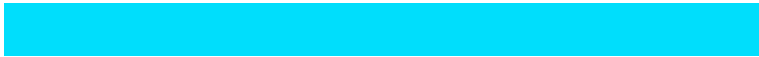
55.4500, 0.4453, 0.4164

Rectangle

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



55.4500, 0.2582, 0.4136



55.4500, 0.1897, 0.2877



55.4500, 0.3594, 0.2615



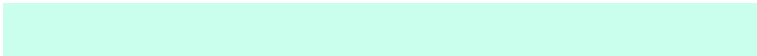
55.4500, 0.4534, 0.3444

Sweetspot

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



55.4522, 0.2582, 0.4136



90.0364, 0.2914, 0.3495



56.1384, 0.3315, 0.5371



19.0354, 0.2887, 0.3525



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.



55.4522, 0.2582, 0.4136



75.0164, 0.2569, 0.4351



47.5693, 0.2248, 0.2991



14.7456, 0.3030, 0.3376



31.1836, 0.2587, 0.4512



2.0365, 0.2525, 0.4288

Inverse Universe

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



20.3075, 0.4654, 0.2700



23.7392, 0.5161, 0.2726



22.1085, 0.5363, 0.3497



13.1289, 0.3235, 0.3206



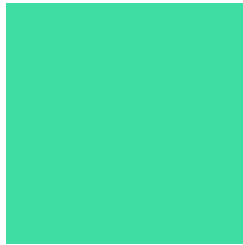
9.2846, 0.5522, 0.2816



0.6177, 0.5071, 0.2567

Previews

White Background



This preview shows how the Yxy color 55.4500, 0.2582, 0.4136 looks on a white background.

Color Contrast Check

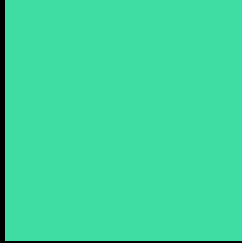
Large Text (above 18pt) WCAG AA × Fail

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 55.4500, 0.2582, 0.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

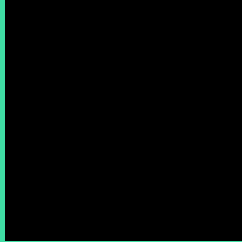
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

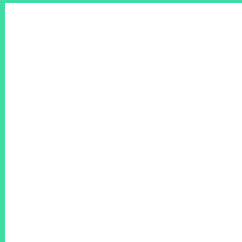
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4500, 0.2582, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 55.4500, 0.2582, 0.4136.

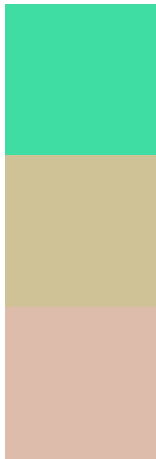


This preview shows how white text looks on a background with the Yxy color 55.4500, 0.2582, 0.4136.

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

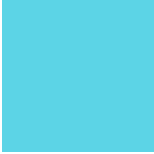
55.4500, 0.2582, 0.4136

Protanopia

54.2278, 0.3579, 0.3814

Deuteranopia

54.4363, 0.3555, 0.3489



Tritanopia

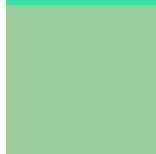
55.0754, 0.2339, 0.3050

Trichromacy



Original Color

55.4500, 0.2582, 0.4136



Protanomaly

52.5546, 0.3089, 0.3949



Deuteranomaly

52.0282, 0.3076, 0.3719



Tritanomaly

54.8509, 0.2422, 0.3413

Monochromacy



Original Color

55.4500, 0.2582, 0.4136



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.9609, 0.2826, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4500, 0.2582, 0.4136 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(63, 221, 164)` looks like.

```
.text, #text, p{  
    color:rgb(63, 221, 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(63, 221, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 221, 164) }
```

Border

The CSS property to change the border of an element to Yxy 55.4500, 0.2582, 0.4136 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(63, 221, 164) }
```

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

```
.border{ border-color:rgb(63, 221, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 221, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 221, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 221, 164);  
box-shadow:4px 4px 4px 4px rgb(63, 221,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4500, 0.2582, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 221, 164) }
```

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

```
.background{ background-color: rgb(63, 221,  
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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