

Converting Colors

Yxy(55.3790, 0.2824, 0.4392)

Have a look what the booklet for
Yxy(55.3790, 0.2824, 0.4392)
contains.

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Color

Yxy(55.3860, 0.2822, 0.4389)

Conversions

Conversions Part 1

Format	Color
Hex	64DB90
RGB	100, 219, 144
RGB Percent	39%, 86%, 56%
CMY	0.6083, 0.1411, 0.4353
CMYK	0.54, 0.00, 0.34, 0.14
HSL	142°, 62%, 63%
HSV	142°, 54%, 86%
XYZ	35.6116, 55.3860, 35.1952
YIQ	174.8690, -46.8490, -48.5530

Conversions

Conversions Part 2

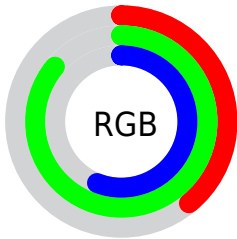
Format	Color
RYB	100, 187, 219
Decimal	6609808
CIELab	79.26, -50.16, 26.99
CIElCh	79, 56.959, 151.717
Yxy	55.3860, 0.2822, 0.4389
Android (android.graphics.Color)	4284799888 (0xFF64DB90)
YUV	174.8690, -15.2184, -65.6601
Hunter-Lab	74.4218, -44.8240, 24.0561

Details

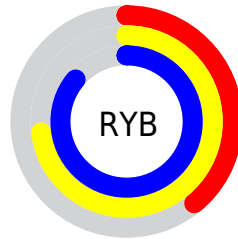
The Yxy color **55.3860, 0.2822, 0.4389** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **27.2485, 0.3694, 0.2426**, and the grayscale version is **42.8837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9681, 0.2876, 0.3961**, and **27.3080, 0.2716, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **53.9080, 0.2796, 0.4635**, and if you desaturate by 10%, it is **57.2555, 0.2862, 0.4150**.

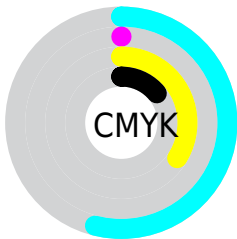
Distribution



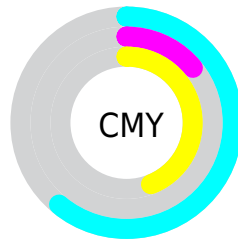
- Red (39%)
- Green (86%)
- Blue (56%)



- Red (39%)
- Yellow (73%)
- Blue (86%)



- Cyan (54%)
- Magenta (0%)
- Yellow (34%)
- Black (14%)




- Cyan (61%)
- Magenta (14%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3860, 0.2822, 0.4389 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 55.3860, 0.2822, 0.4389 by changing the saturation by 10% instead.


 55.3860, 0.2822,
0.4389


 55.3860, 0.2822,
0.4389


407.3735, 0.2989,
0.3820

 39.7109, 0.2776,
0.4536


 98.1063, 0.2886,
0.4178

 27.3132, 0.2715,
0.4728


 125.9202, 0.2909,
0.4100

 17.8086, 0.2629,
0.4986


 158.5492, 0.2928,
0.4035

 10.8126, 0.2503,
0.5352

 196.3776, 0.2944,
0.3979

 5.9410, 0.2300,
0.5901

239.7898, 0.2957,
0.3931

 2.8092, 0.1983,
0.6942

289.1703, 0.2969,

 1.0330, 0.0000,

0.3889

1.0000

344.9033, 0.2980,
0.3852

■ 0.0000, 0.0000,
0.0000

■ 55.3860, 0.2822,
0.4389

■ 55.3860, 0.2822,
0.4389

■ 53.9080, 0.2796,
0.4635

■ 57.2555, 0.2862,
0.4150

■ 52.7854, 0.2787,
0.4879

■ 59.5361, 0.2913,
0.3924

■ 51.9864, 0.2796,
0.5113


■ 62.2539, 0.2971,
0.3716


■ 51.4701, 0.2823,
0.5325

■ 65.4309, 0.3034,
0.3527


■ 51.2669, 0.2842,
0.5432

■ 69.0878, 0.3099,
0.3358

 73.2436, 0.3164,
0.3208

 77.9167, 0.3227,
0.3077

 79.1093, 0.3148,
0.2946

 79.1516, 0.3144,
0.2940

Harmonies

Analogous

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



55.3860, 0.3541, 0.4675



55.3860, 0.2822, 0.4389



55.3860, 0.2224, 0.3662

Triad

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



55.3860, 0.2822, 0.4389



55.3860, 0.2082, 0.2164



55.3860, 0.4543, 0.3421

Complementary

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



55.3860, 0.2822, 0.4389



27.2485, 0.3694, 0.2426

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.



55.3860, 0.4057, 0.2891



55.3860, 0.2822, 0.4389



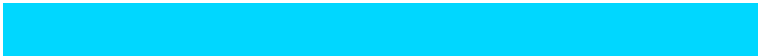
55.3860, 0.2587, 0.2203

Square

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



55.3860, 0.2822, 0.4389



55.3860, 0.1847, 0.2383



55.3860, 0.3307, 0.2462



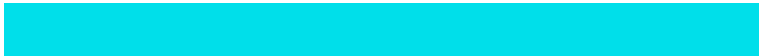
55.3860, 0.4574, 0.3976

Rectangle

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



55.3860, 0.2822, 0.4389



55.3860, 0.1968, 0.3132



55.3860, 0.3307, 0.2462



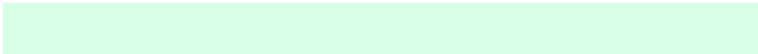
55.3860, 0.4427, 0.3238

Sweetspot

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



55.3883, 0.2822, 0.4389



91.5204, 0.3023, 0.3559



60.7428, 0.3560, 0.4764



19.3833, 0.3009, 0.3597



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.



55.3883, 0.2822, 0.4389



75.8779, 0.2794, 0.4664



57.6930, 0.2514, 0.3505



14.6856, 0.3066, 0.3441



30.4131, 0.2835, 0.5405



1.9866, 0.2742, 0.5071

Inverse Universe

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



27.2485, 0.3694, 0.2426



32.3253, 0.3866, 0.2292



25.4123, 0.4515, 0.3109



13.1888, 0.3194, 0.3144



10.0385, 0.4413, 0.2204



0.6668, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 55.3860, 0.2822, 0.4389 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 55.3860, 0.2822, 0.4389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

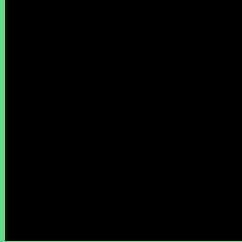
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3860, 0.2822, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 55.3860, 0.2822, 0.4389.

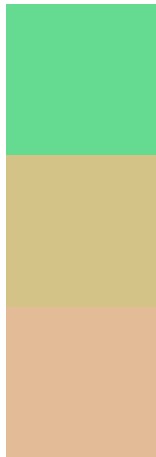


This preview shows how white text looks on a background with the Yxy color 55.3860, 0.2822, 0.4389.

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

55.3860, 0.2822, 0.4389

Protanopia

54.6003, 0.3735, 0.4023

Deuteranopia

54.2690, 0.3779, 0.3705



Tritanopia

55.2295, 0.2475, 0.3068

Trichromacy



Original Color

55.3860, 0.2822, 0.4389



Protanomaly

53.6786, 0.3337, 0.4168



Deuteranomaly

52.8087, 0.3358, 0.3956



Tritanomaly

55.1514, 0.2599, 0.3522

Monochromacy



Original Color

55.3860, 0.2822, 0.4389



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.2378, 0.2983, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3860, 0.2822, 0.4389 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(100, 219, 144)` looks like.

```
.text, #text, p{  
    color:rgb(100, 219, 144)  
}
```

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(100, 219, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 219, 144) }
```

Border

The CSS property to change the border of an element to Yxy 55.3860, 0.2822, 0.4389 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(100, 219, 144) }
```

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

```
.border{ border-color:rgb(100, 219, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 219, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 219, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 219, 144); box-shadow:4px 4px 4px 4px rgb(100, 219, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3860, 0.2822, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 219, 144) }
```

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

```
.background{ background-color: rgb(100,  
219, 144) }
```

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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