

Converting Colors

$Y_{xy}(55.3860, 0.2834, 0.3291)$

Have a look what the booklet for
Yxy(55.3860, 0.2834, 0.3291)
contains.

Yxy(55.4379, 0.2836, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.4379, 0.2836, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A4CCCC
RGB	164, 204, 204
RGB Percent	64%, 80%, 80%
CMY	0.3569, 0.2000, 0.1999
CMYK	0.20, 0.00, 0.00, 0.20
HSL	180°, 28%, 72%
HSV	180°, 20%, 80%
XYZ	47.8023, 55.4379, 65.3153
YIQ	192.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

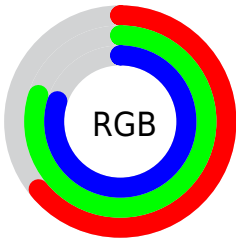
Format	Color
RYB	164, 184, 204
Decimal	10800332
CIELab	79.29, -13.12, -4.38
CIElCh	79, 13.831, 198.445
Yxy	55.4379, 0.2836, 0.3289
Android (android.graphics.Color)	4288990412 (0xFFA4CCCC)
YUV	192.0400, 5.8963, -24.5911
Hunter-Lab	74.4566, -15.6993, 0.1089

Details

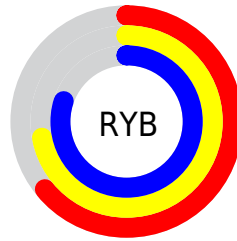
The Yxy color **55.4379, 0.2836, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0731, 0.3511, 0.3291**, and the grayscale version is **52.7135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **27.3942, 0.2757, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **53.4387, 0.2703, 0.3289**, and if you desaturate by 10%, it is **57.7899, 0.2980, 0.3290**.

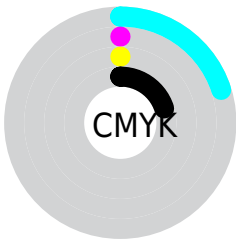
Distribution



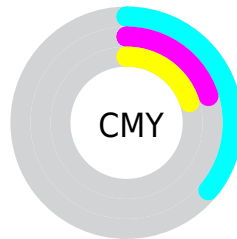
- Red (64%)
- Green (80%)
- Blue (80%)



- Red (64%)
- Yellow (72%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)




- Cyan (36%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4379, 0.2836, 0.3289 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 55.4379, 0.2836, 0.3289 by changing the saturation by 10% instead.

 55.4379, 0.2836,
0.3289


 55.4379, 0.2836,
0.3289


407.5697, 0.2976,
0.3291

 39.7524, 0.2802,
0.3288


 98.1823, 0.2886,
0.3290

 27.3456, 0.2760,
0.3287


 126.0099, 0.2905,
0.3290

 17.8329, 0.2705,
0.3285


158.6538, 0.2921,
0.3291

 10.8301, 0.2631,
0.3281

196.4982, 0.2935,
0.3291

 5.9527, 0.2526,
0.3275

239.9276, 0.2947,
0.3291

 2.8163, 0.2365,
0.3261

289.3264, 0.2958,

 1.0366, 0.2056,

0.3291

345.0790, 0.2968,
0.3291

0.3242

0.0000, 0.0000,
0.0000

55.4379, 0.2836,
0.3289

55.4379, 0.2836,
0.3289

53.4387, 0.2703,
0.3289

57.7899, 0.2980,
0.3290

51.7687, 0.2584,
0.3288

60.5032, 0.3133,
0.3290

50.4125, 0.2482,
0.3288


63.5947, 0.3291,
0.3291

49.3504, 0.2398,
0.3287


67.0781, 0.3452,
0.3291


48.5605, 0.2334,
0.3287


68.8191, 0.3527,
0.3291


 48.0180, 0.2288,
0.3287


 68.8213, 0.3527,
0.3291

 47.6936, 0.2260,
0.3287

 68.8236, 0.3527,
0.3291

 47.5349, 0.2247,
0.3287

 68.8258, 0.3527,
0.3291

 47.5298, 0.2246,
0.3287

 68.8281, 0.3527,
0.3292

Harmonies

Analogous

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



55.4379, 0.2970, 0.3455



55.4379, 0.2836, 0.3289



55.4379, 0.2779, 0.3129

Triad

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



55.4379, 0.2836, 0.3289



55.4379, 0.3098, 0.3025



55.4379, 0.3450, 0.3558

Complementary

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



55.4379, 0.2836, 0.3289



42.0731, 0.3511, 0.3291

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.



55.4379, 0.3488, 0.3435



55.4379, 0.2836, 0.3289



55.4379, 0.3282, 0.3132

Square

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



55.4379, 0.2836, 0.3289



55.4379, 0.2927, 0.2983



55.4379, 0.3426, 0.3280



55.4379, 0.3324, 0.3612

Rectangle

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



55.4379, 0.2836, 0.3289



55.4379, 0.2791, 0.3048



55.4379, 0.3426, 0.3280



55.4379, 0.3474, 0.3523

Sweetspot

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



55.4402, 0.2836, 0.3289



97.2105, 0.3034, 0.3290



53.7646, 0.3102, 0.3825



20.7450, 0.3024, 0.3290



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.



55.4402, 0.2836, 0.3289



90.1738, 0.2772, 0.3289



46.5360, 0.2820, 0.3027



12.7266, 0.2984, 0.3290



29.9117, 0.2246, 0.3287



1.5433, 0.2246, 0.3287

Inverse Universe

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



43.7494, 0.3150, 0.2808



66.9737, 0.3155, 0.2691



49.8029, 0.3464, 0.3539



11.4037, 0.3138, 0.3062



10.8226, 0.3210, 0.1542



0.5583, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 55.4379, 0.2836, 0.3289 looks on a white background.

Color Contrast Check

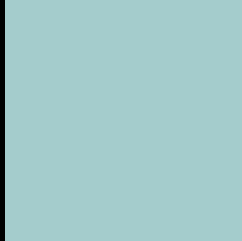
Large Text (above 18pt) WCAG AA × Fail

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 55.4379, 0.2836, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

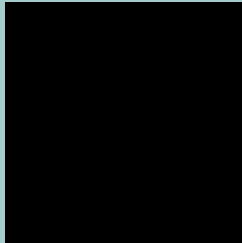
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

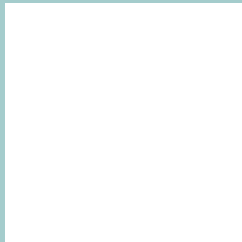
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4379, 0.2836, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 55.4379, 0.2836, 0.3289.



This preview shows how white text looks on a background with the Yxy color 55.4379, 0.2836, 0.3289.

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

55.4379, 0.2836, 0.3289

Protanopia

55.1595, 0.3121, 0.3242

Deuteranopia

55.0335, 0.3161, 0.3092



Tritanopia

55.5185, 0.2767, 0.3090

Trichromacy



Original Color

55.4379, 0.2836, 0.3289

Protanomaly

55.0443, 0.3013, 0.3253

Deuteranomaly

54.8239, 0.3031, 0.3157

Tritanomaly

55.6230, 0.2792, 0.3164

Monochromacy



Original Color

55.4379, 0.2836, 0.3289

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4105, 0.3018, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4379, 0.2836, 0.3289 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(164, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 204, 204)  
}
```

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(164, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 204, 204) }
```

Border

The CSS property to change the border of an element to Yxy 55.4379, 0.2836, 0.3289 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(164, 204, 204) }
```

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

```
.border{ border-color:rgb(164, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 204,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4379, 0.2836, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 204, 204) }
```

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

```
.background{ background-color: rgb(164,  
204, 204) }
```

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