

Converting Colors

$Y_{xy}(55.8080, 0.3169, 0.3254)$

Have a look what the booklet for
Yxy(55.8080, 0.3169, 0.3254)
contains.

Yxy(55.8039, 0.3169, 0.3254)	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(55.8039, 0.3169, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	CBC3C6
RGB	203, 195, 198
RGB Percent	80%, 76%, 78%
CMY	0.2038, 0.2353, 0.2235
CMYK	0.00, 0.04, 0.02, 0.20
HSL	337°, 7%, 78%
HSV	337°, 4%, 80%
XYZ	54.3462, 55.8039, 61.3431
YIQ	197.7340, 3.8050, 2.6290

Conversions

Conversions Part 2

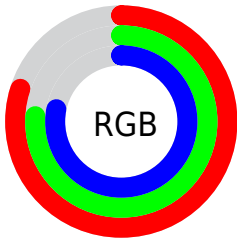
Format	Color
R _Y B	203, 195, 198
Decimal	13353926
CIE Lab	79.50, 3.35, -0.52
CIE LCh	80, 3.393, 351.112
Yxy	55.8039, 0.3169, 0.3254
Android (android.graphics.Color)	4291544006 (0xFFCBC3C6)
YUV	197.7340, 0.1311, 4.6183
Hunter-Lab	74.7020, -0.8686, 3.6042

Details

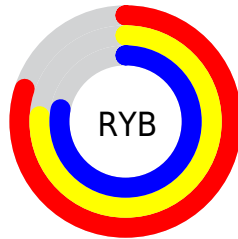
The Yxy color **55.8039, 0.3169, 0.3254** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.5026, 0.3087, 0.3326**, and the grayscale version is **56.3043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **27.4529, 0.3183, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **46.7579, 0.3290, 0.3159**, and if you desaturate by 10%, it is **66.1408, 0.3070, 0.3343**.

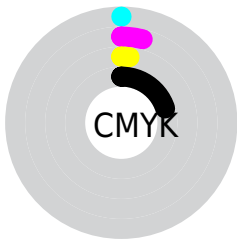
Distribution



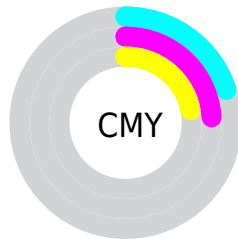
- Red (80%)
- Green (76%)
- Blue (78%)



- Red (80%)
- Yellow (76%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (20%)



- Cyan (20%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8039, 0.3169, 0.3254 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 55.8039, 0.3169, 0.3254 by changing the saturation by 10% instead.

■ 55.8039, 0.3169,
0.3254

■ 55.8039, 0.3169,
0.3254

408.9521, 0.3149,
0.3272

■ 40.0457, 0.3174,
0.3250

■ 98.7178, 0.3162,
0.3260

■ 27.5742, 0.3180,
0.3244

126.6423, 0.3159,
0.3263

■ 18.0049, 0.3188,
0.3238

159.3911, 0.3157,
0.3265

■ 10.9535, 0.3199,
0.3228

197.3484, 0.3155,
0.3266

■ 6.0356, 0.3215,
0.3215

240.8988, 0.3153,
0.3268

■ 2.8667, 0.3239,
0.3194

290.4266, 0.3151,

■ 1.0626, 0.3283,

0.3269

0.3156

346.3162, 0.3150,
0.3270

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.8039, 0.3169,
0.3254

55.8039, 0.3169,
0.3254

46.7579, 0.3290,
0.3159

66.1408, 0.3070,
0.3343

38.9448, 0.3438,
0.3059

77.8092, 0.2988,
0.3425

32.3127, 0.3617,
0.2958

90.2796, 0.2921,
0.3491

26.8035, 0.3832,
0.2859

91.0424, 0.2854,
0.3355

■ 22.3540, 0.4083,
0.2771

■ 91.4422, 0.2822,
0.3289

■ 18.8946, 0.4370,
0.2703

■ 16.3474, 0.4684,
0.2669

■ 14.6226, 0.5007,
0.2681

■ 13.6116, 0.5316,
0.2744

Harmonies

Analogous

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



55.8039, 0.3125, 0.3225



55.8039, 0.3169, 0.3254



55.8039, 0.3202, 0.3292

Triad

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



55.8039, 0.3169, 0.3254



55.8039, 0.3173, 0.3368



55.8039, 0.3040, 0.3249

Complementary

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



55.8039, 0.3169, 0.3254



58.5026, 0.3087, 0.3326

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.



55.8039, 0.3053, 0.3287



55.8039, 0.3169, 0.3254



55.8039, 0.3129, 0.3356

Square

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



55.8039, 0.3169, 0.3254



55.8039, 0.3204, 0.3358



55.8039, 0.3085, 0.3327



55.8039, 0.3051, 0.3222

Rectangle

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



55.8039, 0.3169, 0.3254



55.8039, 0.3213, 0.3318



55.8039, 0.3085, 0.3327



55.8039, 0.3042, 0.3261

Sweetspot

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



55.8063, 0.3169, 0.3254



98.2817, 0.3138, 0.3281



55.6129, 0.3107, 0.3194



21.0544, 0.3137, 0.3281



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.



55.8063, 0.3169, 0.3254



91.6314, 0.3181, 0.3244



56.0901, 0.3191, 0.3301



12.0539, 0.3188, 0.3239



8.4315, 0.5455, 0.2779



0.4496, 0.4922, 0.2485

Inverse Universe

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



55.8063, 0.3169, 0.3254



91.6314, 0.3181, 0.3244



58.2032, 0.3066, 0.3279



12.0539, 0.3188, 0.3239



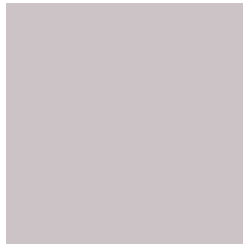
8.4315, 0.5455, 0.2779



0.4496, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 55.8039, 0.3169, 0.3254 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 55.8039, 0.3169, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

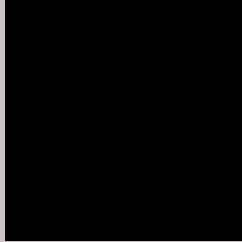
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

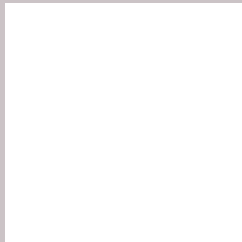
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8039, 0.3169, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 55.8039, 0.3169, 0.3254.

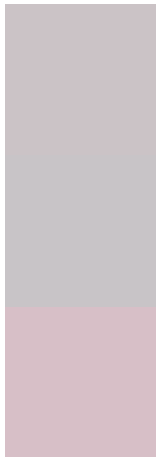


This preview shows how white text looks on a background with the Yxy color 55.8039, 0.3169, 0.3254.

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

55.8039, 0.3169, 0.3254

Protanopia

55.8827, 0.3137, 0.3254

Deuteranopia

55.8322, 0.3262, 0.3198



Tritanopia

55.7225, 0.3104, 0.3102

Trichromacy



Original Color

55.8039, 0.3169, 0.3254

Protanomaly

56.0209, 0.3145, 0.3254

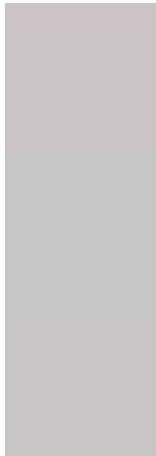
Deuteranomaly

55.6717, 0.3229, 0.3208

Tritanomaly

55.8287, 0.3125, 0.3160

Monochromacy



Original Color

55.8039, 0.3169, 0.3254

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.2891, 0.3144, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8039, 0.3169, 0.3254 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(203, 195, 198)` looks like.

```
.text, #text, p{  
    color:rgb(203, 195, 198)  
}
```

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(203, 195, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 195, 198) }
```

Border

The CSS property to change the border of an element to Yxy 55.8039, 0.3169, 0.3254 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(203, 195, 198) }
```

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

```
.border{ border-color:rgb(203, 195, 198) }
```

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

Here you see how a box with a 4 pixel rgb(203, 195, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 195, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 195, 198);  
box-shadow:4px 4px 4px 4px rgb(203, 195,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8039, 0.3169, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 195, 198) }
```

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

```
.background{ background-color: rgb(203,  
195, 198) }
```

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