

Converting Colors

$Y_{xy}(58.1140, 0.3103, 0.3203)$

Have a look what the booklet for
Yxy(58.1140, 0.3103, 0.3203)
contains.

Yxy(58.0484, 0.3100, 0.3196)	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(58.0484, 0.3100, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	CBC7CF
RGB	203, 199, 207
RGB Percent	80%, 78%, 81%
CMY	0.2041, 0.2195, 0.1882
CMYK	0.02, 0.04, 0.00, 0.19
HSL	269°, 8%, 80%
HSV	269°, 4%, 81%
XYZ	56.3048, 58.0484, 67.2751
YIQ	201.1080, -0.1840, 3.3360

Conversions

Conversions Part 2

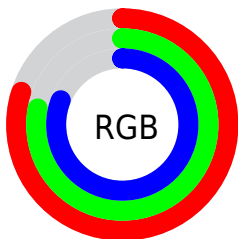
Format	Color
R _Y B	203, 199, 207
Decimal	13354959
CIE Lab	80.77, 2.83, -3.51
CIE LCh	81, 4.508, 308.921
Yxy	58.0484, 0.3100, 0.3196
Android (android.graphics.Color)	4291545039 (0xFFCBC7CF)
YUV	201.1080, 2.9048, 1.6593
Hunter-Lab	76.1895, -1.4184, 0.9797

Details

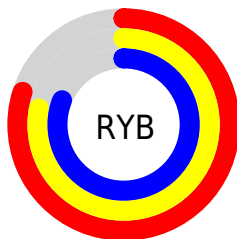
The Yxy color **58.0484, 0.3100, 0.3196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.4642, 0.3154, 0.3384**, and the grayscale version is **58.4584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **28.9403, 0.3092, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **47.7350, 0.3021, 0.2938**, and if you desaturate by 10%, it is **69.7630, 0.3167, 0.3433**.

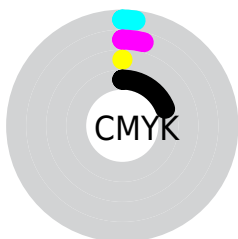
Distribution



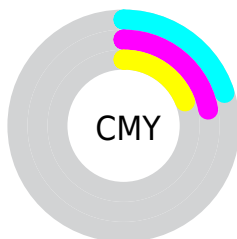
- Red (80%)
- Green (78%)
- Blue (81%)



- Red (80%)
- Yellow (78%)
- Blue (81%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0484, 0.3100, 0.3196 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 58.0484, 0.3100, 0.3196 by changing the saturation by 10% instead.

■ 58.0484, 0.3100,
0.3196

■ 58.0484, 0.3100,
0.3196

417.3663, 0.3113,
0.3241

■ 41.8476, 0.3097,
0.3185

101.9933, 0.3105,
0.3212

■ 28.9819, 0.3093,
0.3172

130.5062, 0.3107,
0.3218

■ 19.0672, 0.3088,
0.3154

163.8919, 0.3108,
0.3223

■ 11.7188, 0.3080,
0.3131

202.5348, 0.3109,
0.3228

■ 6.5525, 0.3070,
0.3098

246.8193, 0.3111,
0.3232

■ 3.1839, 0.3054,
0.3047

297.1298, 0.3112,

■ 1.2285, 0.3025,

0.3235

0.2960

353.8506, 0.3112,
0.3238

0.0848, 0.2617,
0.1482

0.0000, 0.0000,
0.0000

58.0484, 0.3100,
0.3196

58.0484, 0.3100,
0.3196

47.7350, 0.3021,
0.2938

69.7630, 0.3167,
0.3433

38.7613, 0.2930,
0.2660

82.9223, 0.3223,
0.3647

31.0725, 0.2825,
0.2368

93.6075, 0.3277,
0.3781

24.6067, 0.2708,
0.2070

95.4479, 0.3346,
0.3770

■ 19.2969, 0.2581,
0.1777

■ 97.2856, 0.3412,
0.3760

■ 15.0694, 0.2448,
0.1503

■ 11.8419, 0.2314,
0.1264

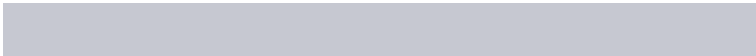
■ 9.5194, 0.2185,
0.1072

■ 7.9873, 0.2066,
0.0937

Harmonies

Analogous

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



58.0484, 0.3048, 0.3191



58.0484, 0.3100, 0.3196



58.0484, 0.3159, 0.3225

Triad

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



58.0484, 0.3100, 0.3196



58.0484, 0.3238, 0.3367



58.0484, 0.3045, 0.3308

Complementary

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



58.0484, 0.3100, 0.3196



61.4642, 0.3154, 0.3384

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.



58.0484, 0.3095, 0.3356



58.0484, 0.3100, 0.3196



58.0484, 0.3206, 0.3390

Square

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



58.0484, 0.3100, 0.3196



58.0484, 0.3239, 0.3323



58.0484, 0.3154, 0.3387



58.0484, 0.3017, 0.3255

Rectangle

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



58.0484, 0.3100, 0.3196



58.0484, 0.3195, 0.3255



58.0484, 0.3154, 0.3387



58.0484, 0.3059, 0.3325

Sweetspot

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



58.0509, 0.3100, 0.3196



98.1387, 0.3120, 0.3266



59.4328, 0.3069, 0.3244



21.0253, 0.3121, 0.3267



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.



58.0509, 0.3100, 0.3196



90.9242, 0.3091, 0.3166



58.6096, 0.3130, 0.3197



12.5855, 0.3087, 0.3151



4.6646, 0.2014, 0.0883



0.3080, 0.2216, 0.0994

Inverse Universe

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



58.4390, 0.3160, 0.3243



91.7361, 0.3171, 0.3228



60.9190, 0.3124, 0.3385



12.7121, 0.3176, 0.3220



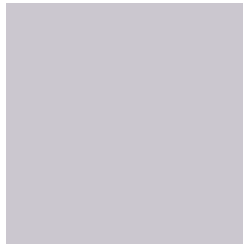
9.0230, 0.4909, 0.2478



0.5205, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 58.0484, 0.3100, 0.3196 looks on a white background.

Color Contrast Check

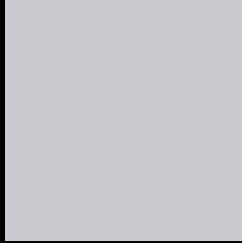
Large Text (above 18pt) WCAG AA × Fail

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 58.0484, 0.3100, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

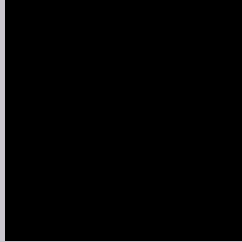
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

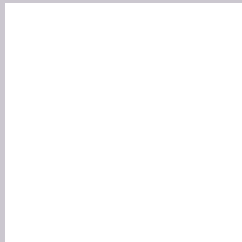
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0484, 0.3100, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 58.0484, 0.3100, 0.3196.

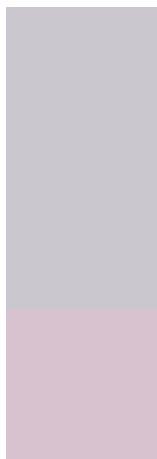


This preview shows how white text looks on a background with the Yxy color 58.0484, 0.3100, 0.3196.

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

58.0484, 0.3100, 0.3196

Protanopia

57.9084, 0.3093, 0.3196

Deuteranopia

57.7366, 0.3199, 0.3130



Tritanopia

58.0806, 0.3059, 0.3104

Trichromacy



Original Color

58.0484, 0.3100, 0.3196

Protanomaly

57.9084, 0.3093, 0.3196

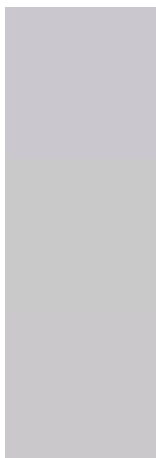
Deuteranomaly

57.8828, 0.3157, 0.3152

Tritanomaly

57.9287, 0.3080, 0.3138

Monochromacy



Original Color

58.0484, 0.3100, 0.3196

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.1769, 0.3121, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0484, 0.3100, 0.3196 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, 199, 207)` looks like.

```
.text, #text, p{  
    color:rgb(203, 199, 207)  
}
```

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, 199, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 199, 207) }
```

Border

The CSS property to change the border of an element to Yxy 58.0484, 0.3100, 0.3196 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, 199, 207) }
```

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

```
.border{ border-color:rgb(203, 199, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 199, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 199, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 199, 207); box-shadow:4px 4px 4px 4px rgb(203, 199, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0484, 0.3100, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 199, 207) }
```

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

```
.background{ background-color: rgb(203,  
199, 207) }
```

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