

Converting Colors

$Y_{xy}(59.2860, 0.3335, 0.3780)$

Have a look what the booklet for
Yxy(59.2860, 0.3335, 0.3780)
contains.

Yxy(59.2860, 0.3335, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.2860, 0.3335, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	C5CFA7
RGB	197, 207, 167
RGB Percent	77%, 81%, 65%
CMY	0.2276, 0.1882, 0.3451
CMYK	0.05, 0.00, 0.19, 0.19
HSL	75°, 29%, 73%
HSV	75°, 19%, 81%
XYZ	52.3066, 59.2860, 45.2487
YIQ	199.4500, 6.8800, -14.5600

Conversions

Conversions Part 2

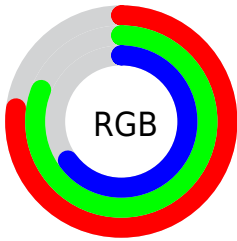
Format	Color
RYB	167, 207, 177
Decimal	12963751
CIELab	81.45, -10.30, 18.77
CIElCh	81, 21.405, 118.752
Yxy	59.2860, 0.3335, 0.3780
Android (android.graphics.Color)	4291153831 (0xFFC5CFA7)
YUV	199.4500, -15.9978, -2.1486
Hunter-Lab	76.9974, -13.4852, 19.0555

Details

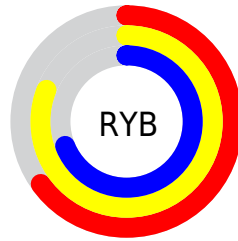
The Yxy color **59.2860, 0.3335, 0.3780** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5006, 0.2892, 0.2776**, and the grayscale version is **57.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8648, 0.3315, 0.3612**, and **29.8599, 0.3383, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **57.8930, 0.3441, 0.4048**, and if you desaturate by 10%, it is **60.8310, 0.3227, 0.3520**.

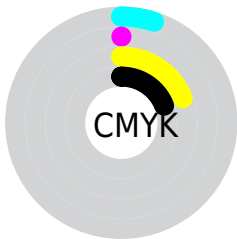
Distribution



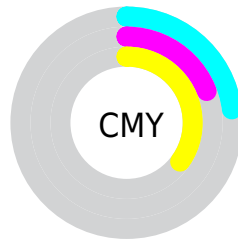
- Red (77%)
- Green (81%)
- Blue (65%)



- Red (65%)
- Yellow (81%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (23%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2860, 0.3335, 0.3780 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 59.2860, 0.3335, 0.3780 by changing the saturation by 10% instead.


 59.2860, 0.3335,
0.3780

 59.2860, 0.3335,
0.3780


421.9610, 0.3238,
0.3540

 42.8434, 0.3357,
0.3838


 103.7932, 0.3301,
0.3694

 29.7623, 0.3384,
0.3912


 132.6266, 0.3288,
0.3662

 19.6582, 0.3419,
0.4008


166.3591, 0.3277,
0.3634

 12.1468, 0.3463,
0.4138

205.3750, 0.3267,
0.3610

 6.8438, 0.3520,
0.4325

250.0587, 0.3259,
0.3589

 3.3646, 0.3597,
0.4611

300.7947, 0.3251,

 1.3249, 0.4076,

0.3571

0.5635

357.9673, 0.3244,
0.3555

0.1604, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.2860, 0.3335,
0.3780

59.2860, 0.3335,
0.3780

57.8930, 0.3441,
0.4048

60.8310, 0.3227,
0.3520

56.6382, 0.3541,
0.4318

62.5258, 0.3120,
0.3274

55.5176, 0.3629,
0.4579

64.3785, 0.3017,
0.3045

54.5241, 0.3700,
0.4819

66.3940, 0.2919,
0.2834

■ 53.6497, 0.3750,
0.5029

■ 67.5372, 0.2922,
0.2788

■ 52.8856, 0.3776,
0.5197

■ 68.3763, 0.2958,
0.2793

■ 52.2211, 0.3776,
0.5319

■ 69.2409, 0.2995,
0.2799

■ 51.6385, 0.3754,
0.5398

■ 70.1315, 0.3032,
0.2804

■ 51.6006, 0.3752,
0.5403

■ 71.0480, 0.3069,
0.2810

Harmonies

Analogous

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



59.2860, 0.3562, 0.3735



59.2860, 0.3335, 0.3780



59.2860, 0.3059, 0.3679

Triad

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



59.2860, 0.3335, 0.3780



59.2860, 0.2609, 0.2975



59.2860, 0.3446, 0.3124

Complementary

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



59.2860, 0.3335, 0.3780



41.5006, 0.2892, 0.2776

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.



59.2860, 0.3178, 0.2942



59.2860, 0.3335, 0.3780



59.2860, 0.2701, 0.2851

Square

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



59.2860, 0.3335, 0.3780



59.2860, 0.2647, 0.3195



59.2860, 0.2905, 0.2843



59.2860, 0.3631, 0.3351

Rectangle

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



59.2860, 0.3335, 0.3780



59.2860, 0.2885, 0.3540



59.2860, 0.2905, 0.2843



59.2860, 0.3362, 0.3056

Sweetspot

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



59.2886, 0.3335, 0.3780



98.3314, 0.3192, 0.3438



47.5062, 0.3482, 0.3415



21.0093, 0.3199, 0.3455



0.0000, 0.0000, 0.0000



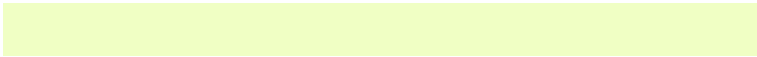
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2886, 0.3335, 0.3780



94.0923, 0.3377, 0.3885



56.7718, 0.3178, 0.3805



13.6418, 0.3228, 0.3522



32.5520, 0.3758, 0.5398



1.8564, 0.3842, 0.5332

Inverse Universe

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



41.5006, 0.2892, 0.2776



60.7201, 0.2835, 0.2659



44.0183, 0.3062, 0.2801



11.5592, 0.3020, 0.3052



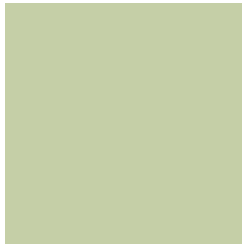
3.3369, 0.1652, 0.0684



0.2249, 0.1846, 0.0790

Previews

White Background



This preview shows how the Yxy color 59.2860, 0.3335, 0.3780 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 59.2860, 0.3335, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

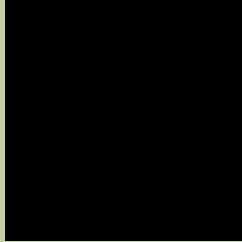
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

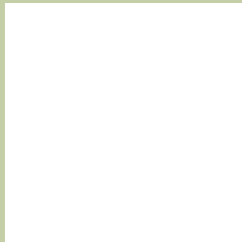
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2860, 0.3335, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 59.2860, 0.3335, 0.3780.



This preview shows how white text looks on a background with the Yxy color 59.2860, 0.3335, 0.3780.

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

59.2860, 0.3335, 0.3780

Protanopia

59.2175, 0.3507, 0.3739

Deuteranopia

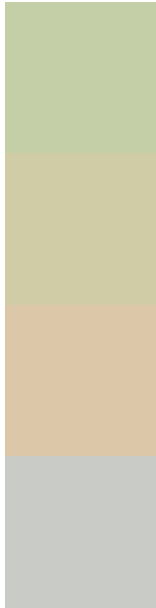
58.8095, 0.3642, 0.3560



Tritanopia

59.1038, 0.3044, 0.3105

Trichromacy



Original Color

59.2860, 0.3335, 0.3780

Protanomaly

59.3122, 0.3445, 0.3757

Deuteranomaly

58.9271, 0.3526, 0.3639

Tritanomaly

59.2066, 0.3147, 0.3349

Monochromacy



Original Color

59.2860, 0.3335, 0.3780

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.8347, 0.3204, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2860, 0.3335, 0.3780 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(197, 207, 167)` looks like.

```
.text, #text, p{  
    color:rgb(197, 207, 167)  
}
```

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(197, 207, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 207, 167) }
```

Border

The CSS property to change the border of an element to Yxy 59.2860, 0.3335, 0.3780 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(197, 207, 167) }
```

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

```
.border{ border-color:rgb(197, 207, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 207, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 207, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 207, 167);  
box-shadow:4px 4px 4px 4px rgb(197, 207,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2860, 0.3335, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 207, 167) }
```

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

```
.background{ background-color: rgb(197,  
207, 167) }
```

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