

Converting Colors

Yxy(51.6635, 0.3285, 0.3602)

Have a look what the booklet for
Yxy(51.6635, 0.3285, 0.3602)
contains.

Yxy(51.7859, 0.3285, 0.3610)	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(51.7859, 0.3285, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	BDC1A8
RGB	189, 193, 168
RGB Percent	74%, 76%, 66%
CMY	0.2588, 0.2431, 0.3413
CMYK	0.02, 0.00, 0.13, 0.24
HSL	70°, 17%, 71%
HSV	70°, 13%, 76%
XYZ	47.1237, 51.7859, 44.5416
YIQ	188.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

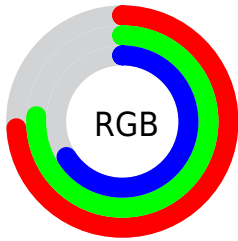
Format	Color
RYB	168, 193, 172
Decimal	12435880
CIELab	77.15, -5.79, 12.14
CIELCh	77, 13.448, 115.481
Yxy	51.7859, 0.3285, 0.3610
Android (android.graphics.Color)	4290625960 (0xFFBDC1A8)
YUV	188.9540, -10.3303, 0.0403
Hunter-Lab	71.9624, -9.0456, 13.6758

Details

The Yxy color $51.7859, 0.3285, 0.3610$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $40.6102, 0.2957, 0.2956$, and the grayscale version is $50.9198, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.4916, 0.3257, 0.3550$, and $25.2514, 0.3329, 0.3706$ is the 20% darker color. If you saturate the color by 10%, you get $50.7321, 0.3408, 0.3868$, and if you desaturate by 10%, it is $52.9594, 0.3163, 0.3361$.

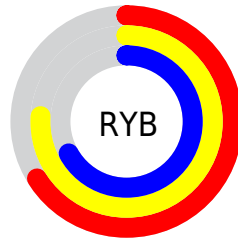
Distribution



Red (74%)

Green (76%)

Blue (66%)



Red (66%)

Yellow (76%)

Blue (67%)

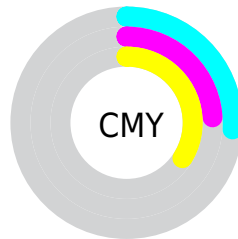


Cyan (2%)

Magenta (0%)

Yellow (13%)

Black (24%)



Cyan (26%)


Magenta (24%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7859, 0.3285, 0.3610 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 51.7859, 0.3285, 0.3610 by changing the saturation by 10% instead.


 51.7859, 0.3285,
0.3610

 51.7859, 0.3285,
0.3610

393.6095, 0.3208,
0.3451

 36.8344, 0.3303,
0.3649


 92.8154, 0.3258,
0.3552

 25.0793, 0.3327,
0.3700


 119.6623, 0.3247,
0.3531

 16.1362, 0.3357,
0.3767


151.2430, 0.3238,
0.3512

 9.6206, 0.3397,
0.3859

187.9421, 0.3231,
0.3497

 5.1481, 0.3454,
0.3996

230.1439, 0.3224,
0.3483

 2.3344, 0.3540,
0.4217

278.2328, 0.3218,

 0.7918, 0.4316,

0.3471

0.5590

332.5932, 0.3213,
0.3460

0.0000, 0.0000,
0.0000

51.7859, 0.3285,
0.3610

51.7859, 0.3285,
0.3610

50.7321, 0.3408,
0.3868

52.9594, 0.3163,
0.3361

49.7863, 0.3528,
0.4128

54.2502, 0.3045,
0.3126

48.9459, 0.3641,
0.4383

55.6647, 0.2932,
0.2908

48.2053, 0.3740,
0.4621

57.2070, 0.2827,
0.2706

47.5583, 0.3821,
0.4834

58.2558, 0.2787,
0.2613

■ 46.9984, 0.3879,
0.5010

■ 58.6961, 0.2808,
0.2617

■ 46.5175, 0.3912,
0.5143

■ 59.1451, 0.2830,
0.2621

■ 46.1066, 0.3919,
0.5232

■ 59.6028, 0.2852,
0.2625

■ 45.8472, 0.3914,
0.5275

■ 60.0692, 0.2874,
0.2629

Harmonies

Analogous

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



51.7859, 0.3426, 0.3576



51.7859, 0.3285, 0.3610



51.7859, 0.3105, 0.3552

Triad

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



51.7859, 0.3285, 0.3610



51.7859, 0.2780, 0.3098



51.7859, 0.3320, 0.3165

Complementary

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



51.7859, 0.3285, 0.3610



40.6102, 0.2957, 0.2956

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.



51.7859, 0.3142, 0.3046



51.7859, 0.3285, 0.3610



51.7859, 0.2834, 0.3005

Square

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



51.7859, 0.3285, 0.3610



51.7859, 0.2817, 0.3249



51.7859, 0.2964, 0.2988



51.7859, 0.3448, 0.3317

Rectangle

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



51.7859, 0.3285, 0.3610



51.7859, 0.2987, 0.3469



51.7859, 0.2964, 0.2988



51.7859, 0.3264, 0.3120

Sweetspot

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



51.7882, 0.3285, 0.3610



94.6071, 0.3176, 0.3388



43.5640, 0.3354, 0.3339



20.2610, 0.3185, 0.3407



97.7402, 0.3127, 0.3290



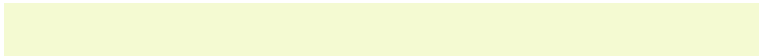
20.4902, 0.3127, 0.3290

Same Dimension

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



51.7882, 0.3285, 0.3610



92.1061, 0.3325, 0.3694



50.2833, 0.3183, 0.3620



11.6744, 0.3241, 0.3519



30.5212, 0.3917, 0.5272



1.3410, 0.3983, 0.5220

Inverse Universe

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



40.6102, 0.2957, 0.2956



67.5910, 0.2909, 0.2863



42.0643, 0.3064, 0.2967



9.8234, 0.3007, 0.3054



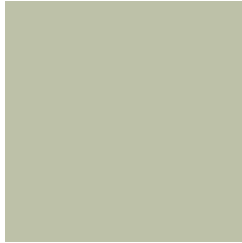
2.7755, 0.1574, 0.0641



0.1448, 0.1760, 0.0743

Previews

White Background



This preview shows how the Yxy color 51.7859, 0.3285, 0.3610 looks on a white background.

Color Contrast Check

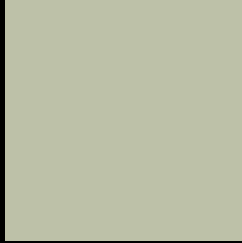
Large Text (above 18pt) WCAG AA × Fail

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 51.7859, 0.3285, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

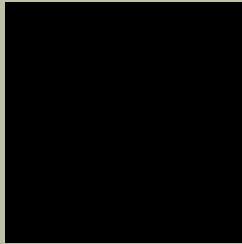
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

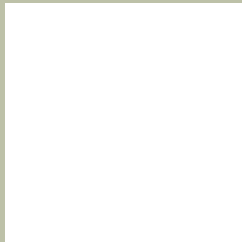
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7859, 0.3285, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 51.7859, 0.3285, 0.3610.



This preview shows how white text looks on a background with the Yxy color 51.7859, 0.3285, 0.3610.

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

51.7859, 0.3285, 0.3610

Protanopia

51.7222, 0.3391, 0.3590

Deuteranopia

51.3682, 0.3523, 0.3446



Tritanopia

51.7476, 0.3063, 0.3107

Trichromacy



Original Color

51.7859, 0.3285, 0.3610

Protanomaly

51.6537, 0.3347, 0.3593

Deuteranomaly

51.5270, 0.3434, 0.3511

Tritanomaly

51.7511, 0.3144, 0.3290

Monochromacy



Original Color

51.7859, 0.3285, 0.3610

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.9819, 0.3188, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7859, 0.3285, 0.3610 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(189, 193, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 193, 168)  
}
```

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(189, 193, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 193, 168) }
```

Border

The CSS property to change the border of an element to Yxy 51.7859, 0.3285, 0.3610 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(189, 193, 168) }
```

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

```
.border{ border-color:rgb(189, 193, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 193, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 193, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 193, 168);  
box-shadow:4px 4px 4px 4px rgb(189, 193,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7859, 0.3285, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 193, 168) }
```

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

```
.background{ background-color: rgb(189,  
193, 168) }
```

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