

Converting Colors

Yxy(58.1780, 0.3314, 0.3904)

Have a look what the booklet for
Yxy(58.1780, 0.3314, 0.3904)
contains.

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Color

Yxy(58.1797, 0.3311, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	BBD09F
RGB	187, 208, 159
RGB Percent	73%, 82%, 62%
CMY	0.2667, 0.1843, 0.3765
CMYK	0.10, 0.00, 0.24, 0.18
HSL	86°, 34%, 72%
HSV	86°, 24%, 82%
XYZ	49.3046, 58.1797, 41.4272
YIQ	196.1350, 3.2130, -19.6910

Conversions

Conversions Part 2

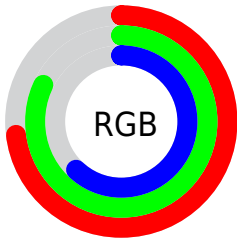
Format	Color
RYB	159, 208, 180
Decimal	12308639
CIELab	80.84, -15.66, 22.04
CIELCh	81, 27.037, 125.396
Yxy	58.1797, 0.3311, 0.3907
Android (android.graphics.Color)	4290498719 (0xFFBBD09F)
YUV	196.1350, -18.3076, -8.0114
Hunter-Lab	76.2756, -18.0999, 21.1911

Details

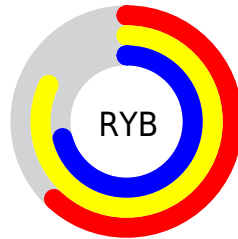
The Yxy color **58.1797, 0.3311, 0.3907** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0522, 0.2906, 0.2663**, and the grayscale version is **55.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4297, 0.3291, 0.3701**, and **29.1593, 0.3349, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **56.4296, 0.3384, 0.4193**, and if you desaturate by 10%, it is **60.1263, 0.3234, 0.3633**.

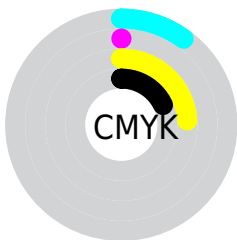
Distribution



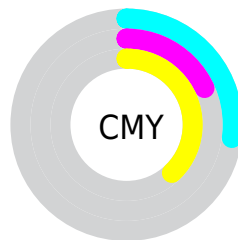
- Red (73%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)





- Cyan (27%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1797, 0.3311, 0.3907 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 58.1797, 0.3311, 0.3907 by changing the saturation by 10% instead.


 58.1797, 0.3311,
0.3907


 58.1797, 0.3311,
0.3907

417.8552, 0.3228,
0.3602

 41.9531, 0.3329,
0.3982


 102.1845, 0.3283,
0.3797

 29.0646, 0.3351,
0.4077


 130.7315, 0.3271,
0.3755

 19.1297, 0.3377,
0.4202


164.1541, 0.3262,
0.3720

 11.7640, 0.3409,
0.4373

202.8368, 0.3253,
0.3690

 6.5832, 0.3447,
0.4620

247.1638, 0.3246,
0.3663

 3.2028, 0.3482,
0.5002

297.5196, 0.3239,

 1.2385, 0.3797,

0.3640

0.6203

354.2886, 0.3233,
0.3620

■ 0.0928, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1797, 0.3311,
0.3907

■ 58.1797, 0.3311,
0.3907

■ 56.4296, 0.3384,
0.4193

■ 60.1263, 0.3234,
0.3633

■ 54.8611, 0.3448,
0.4483

■ 62.2686, 0.3155,
0.3377

■ 53.4687, 0.3498,
0.4767

■ 64.6156, 0.3077,
0.3140

■ 52.2439, 0.3531,
0.5030

■ 67.1736, 0.3003,
0.2926

■ 51.1771, 0.3542,
0.5259

■ 69.4227, 0.2982,
0.2807

■ 50.2575, 0.3529,
0.5441

■ 70.9500, 0.3045,
0.2816

■ 49.4723, 0.3494,
0.5571

■ 72.5541, 0.3109,
0.2825

■ 49.0246, 0.3463,
0.5633

■ 73.5959, 0.3149,
0.2831

Harmonies

Analogous

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



58.1797, 0.3623, 0.3882



58.1797, 0.3311, 0.3907



58.1797, 0.2961, 0.3738

Triad

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



58.1797, 0.3311, 0.3907



58.1797, 0.2488, 0.2841



58.1797, 0.3598, 0.3138

Complementary

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



58.1797, 0.3311, 0.3907



39.0522, 0.2906, 0.2663

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.



58.1797, 0.3268, 0.2896



58.1797, 0.3311, 0.3907



58.1797, 0.2635, 0.2723

Square

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



58.1797, 0.3311, 0.3907



58.1797, 0.2499, 0.3094



58.1797, 0.2915, 0.2747



58.1797, 0.3799, 0.3425

Rectangle

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



58.1797, 0.3311, 0.3907



58.1797, 0.2754, 0.3540



58.1797, 0.2915, 0.2747



58.1797, 0.3498, 0.3050

Sweetspot

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



58.1822, 0.3311, 0.3907



97.4803, 0.3183, 0.3465



48.3208, 0.3555, 0.3543



20.8199, 0.3187, 0.3480



0.0000, 0.0000, 0.0000



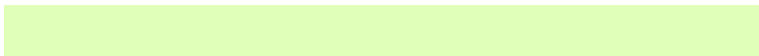
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1822, 0.3311, 0.3907



90.8725, 0.3346, 0.4042



55.4133, 0.3126, 0.3943



13.5347, 0.3201, 0.3524



30.6101, 0.3472, 0.5625



1.7579, 0.3601, 0.5522

Inverse Universe

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



39.0522, 0.2906, 0.2663



55.6638, 0.2851, 0.2523



42.1743, 0.3118, 0.2702



11.6620, 0.3048, 0.3054



4.2226, 0.1899, 0.0820



0.2825, 0.2109, 0.0935

Previews

White Background



This preview shows how the Yxy color 58.1797, 0.3311, 0.3907 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 58.1797, 0.3311, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

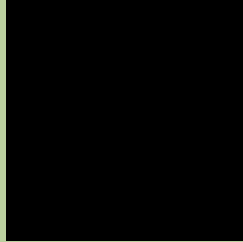
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

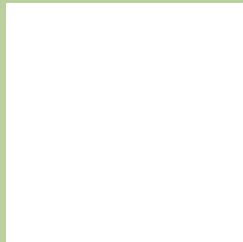
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.1797, 0.3311, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 58.1797, 0.3311, 0.3907.



This preview shows how white text looks on a background with the Yxy color 58.1797, 0.3311, 0.3907.

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

58.1797, 0.3311, 0.3907

Protanopia

57.9713, 0.3582, 0.3824

Deuteranopia

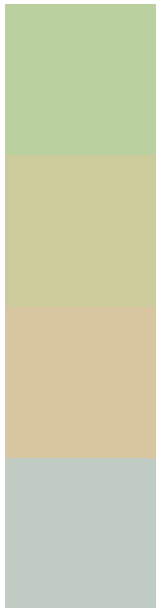
58.0722, 0.3710, 0.3640



Tritanopia

57.8685, 0.2977, 0.3101

Trichromacy



Original Color

58.1797, 0.3311, 0.3907

Protanomaly

57.9495, 0.3482, 0.3861

Deuteranomaly

57.5603, 0.3558, 0.3727

Tritanomaly

57.8585, 0.3100, 0.3387

Monochromacy



Original Color

58.1797, 0.3311, 0.3907

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.0649, 0.3196, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1797, 0.3311, 0.3907 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(187, 208, 159)` looks like.

```
.text, #text, p{  
    color:rgb(187, 208, 159)  
}
```

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(187, 208, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 208, 159) }
```

Border

The CSS property to change the border of an element to Yxy 58.1797, 0.3311, 0.3907 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(187, 208, 159) }
```

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

```
.border{ border-color:rgb(187, 208, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 208, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 208, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 208, 159);  
box-shadow:4px 4px 4px 4px rgb(187, 208,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1797, 0.3311, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 208, 159) }
```

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

```
.background{ background-color: rgb(187,  
208, 159) }
```

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](#).

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