

Converting Colors

$Yxy(58.7288, 0.3195, 0.3701)$

Have a look what the booklet for
Yxy(58.7288, 0.3195, 0.3701)
contains.

Yxy(58.7717, 0.3199, 0.3701)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7717, 0.3199, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	BBD0AF
RGB	187, 208, 175
RGB Percent	73%, 82%, 69%
CMY	0.2664, 0.1844, 0.3137
CMYK	0.10, 0.00, 0.16, 0.18
HSL	98°, 26%, 75%
HSV	98°, 16%, 82%
XYZ	50.8000, 58.7717, 49.2278
YIQ	197.9590, -1.9230, -14.7150

Conversions

Conversions Part 2

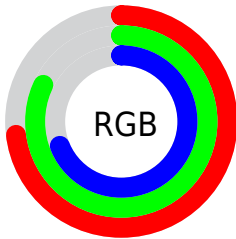
Format	Color
RYB	175, 208, 196
Decimal	12308655
CIELab	81.17, -13.05, 14.03
CIELCh	81, 19.158, 132.937
Yxy	58.7717, 0.3199, 0.3701
Android (android.graphics.Color)	4290498735 (0xFFBBD0AF)
YUV	197.9590, -11.3188, -9.6110
Hunter-Lab	76.6627, -15.8780, 15.5917

Details

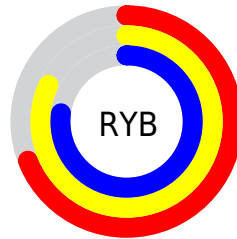
The Yxy color **58.7717, 0.3199, 0.3701** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.9430, 0.3043, 0.2888**, and the grayscale version is **56.5246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3442, 0.3191, 0.3528**, and **29.5847, 0.3221, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **56.4297, 0.3241, 0.3991**, and if you desaturate by 10%, it is **61.3975, 0.3154, 0.3434**.

Distribution



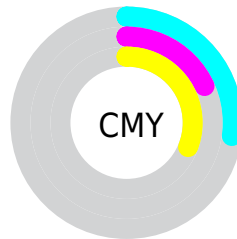
- Red (73%)
- Green (82%)
- Blue (69%)



- Red (69%)
- Yellow (82%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)





- Cyan (27%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7717, 0.3199, 0.3701 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 58.7717, 0.3199, 0.3701 by changing the saturation by 10% instead.

 58.7717, 0.3199,
0.3701

 58.7717, 0.3199,
0.3701


420.0553, 0.3167,
0.3499

 42.4294, 0.3206,
0.3750

 103.0458, 0.3188,
0.3628

 29.4376, 0.3214,
0.3813


131.7463, 0.3184,
0.3601

 19.4121, 0.3224,
0.3896


165.3350, 0.3180,
0.3577

 11.9685, 0.3237,
0.4009

204.1964, 0.3177,
0.3557

 6.7222, 0.3251,
0.4174

248.7146, 0.3174,
0.3540

 3.2890, 0.3266,
0.4434

299.2743, 0.3171,

 1.2844, 0.3417,

0.3525

0.5125

356.2598, 0.3169,
0.3511

0.1291, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.7717, 0.3199,
0.3701

58.7717, 0.3199,
0.3701

56.4297, 0.3241,
0.3991

61.3975, 0.3154,
0.3434

54.3542, 0.3278,
0.4298

64.3089, 0.3108,
0.3193

52.5372, 0.3306,
0.4615

67.5173, 0.3063,
0.2977

50.9674, 0.3321,
0.4928

70.8229, 0.3040,
0.2815

■ 49.6327, 0.3322,
0.5219

■ 73.2146, 0.3135,
0.2829

■ 48.5199, 0.3304,
0.5471

■ 73.5854, 0.3149,
0.2831

■ 47.6138, 0.3270,
0.5667

■ 46.8967, 0.3220,
0.5800

■ 46.6440, 0.3199,
0.5842

Harmonies

Analogous

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



58.7717, 0.3432, 0.3724



58.7717, 0.3199, 0.3701



58.7717, 0.2954, 0.3554

Triad

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



58.7717, 0.3199, 0.3701



58.7717, 0.2685, 0.2942



58.7717, 0.3505, 0.3236

Complementary

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



58.7717, 0.3199, 0.3701



46.9430, 0.3043, 0.2888

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.



58.7717, 0.3292, 0.3046



58.7717, 0.3199, 0.3701



58.7717, 0.2820, 0.2878

Square

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



58.7717, 0.3199, 0.3701



58.7717, 0.2664, 0.3104



58.7717, 0.3040, 0.2917



58.7717, 0.3614, 0.3445

Rectangle

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



58.7717, 0.3199, 0.3701



58.7717, 0.2815, 0.3408



58.7717, 0.3040, 0.2917



58.7717, 0.3443, 0.3168

Sweetspot

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



58.7742, 0.3199, 0.3701



97.7040, 0.3150, 0.3414



55.9360, 0.3385, 0.3542



20.8456, 0.3154, 0.3432



0.0000, 0.0000, 0.0000



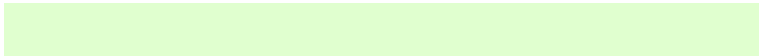
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7742, 0.3199, 0.3701



91.8929, 0.3214, 0.3796



57.4915, 0.3077, 0.3655



13.4137, 0.3170, 0.3526



29.1255, 0.3208, 0.5835



1.6730, 0.3355, 0.5718

Inverse Universe

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



46.9430, 0.3043, 0.2888



69.6813, 0.3022, 0.2798



48.4114, 0.3181, 0.2951



11.7840, 0.3080, 0.3057



5.9493, 0.2315, 0.1049



0.3768, 0.2480, 0.1140

Previews

White Background



This preview shows how the Yxy color 58.7717, 0.3199, 0.3701 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 58.7717, 0.3199, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

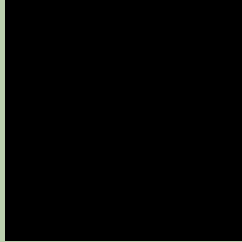
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

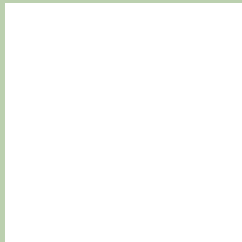
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7717, 0.3199, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 58.7717, 0.3199, 0.3701.



This preview shows how white text looks on a background with the Yxy color 58.7717, 0.3199, 0.3701.

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

58.7717, 0.3199, 0.3701

Protanopia

58.7106, 0.3439, 0.3646

Deuteranopia

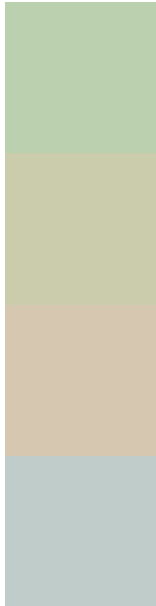
58.4559, 0.3543, 0.3472



Tritanopia

58.7723, 0.2956, 0.3101

Trichromacy



Original Color

58.7717, 0.3199, 0.3701

Protanomaly

58.8608, 0.3352, 0.3677

Deuteranomaly

58.3173, 0.3414, 0.3549

Tritanomaly

58.5264, 0.3043, 0.3314

Monochromacy



Original Color

58.7717, 0.3199, 0.3701

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.4281, 0.3151, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7717, 0.3199, 0.3701 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 208, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 208, 175) }
```

Border

The CSS property to change the border of an element to Yxy 58.7717, 0.3199, 0.3701 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, 175) }
```

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

```
.border{ border-color:rgb(187, 208, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 208, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 208, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 208,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7717, 0.3199, 0.3701 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, 175) }
```

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

```
.background{ background-color: rgb(187,  
208, 175) }
```

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