

Converting Colors

$Y_{xy}(49.8110, 0.3379, 0.3690)$

Have a look what the booklet for
Yxy(49.8110, 0.3379, 0.3690)
contains.

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Color

Yxy(49.8110, 0.3379, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	BEBD9E
RGB	190, 189, 158
RGB Percent	75%, 74%, 62%
CMY	0.2547, 0.2589, 0.3803
CMYK	0.00, 0.01, 0.17, 0.25
HSL	58°, 20%, 68%
HSV	58°, 17%, 75%
XYZ	45.6128, 49.8110, 39.5653
YIQ	185.7650, 10.5470, -9.4290

Conversions

Conversions Part 2

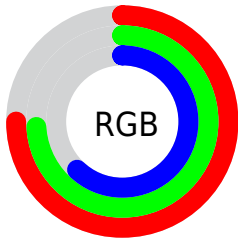
Format	Color
RYB	159, 190, 158
Decimal	12500382
CIELab	75.95, -4.89, 15.82
CIELCh	76, 16.560, 107.178
Yxy	49.8110, 0.3379, 0.3690
Android (android.graphics.Color)	4290690462 (0xFFBEBD9E)
YUV	185.7650, -13.6881, 3.7141
Hunter-Lab	70.5769, -8.1476, 16.1659

Details

The Yxy color **49.8110, 0.3379, 0.3690** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8093, 0.2856, 0.2856**, and the grayscale version is **49.0427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7017, 0.3330, 0.3613**, and **23.9041, 0.3436, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **48.9413, 0.3532, 0.3932**, and if you desaturate by 10%, it is **50.7875, 0.3228, 0.3450**.

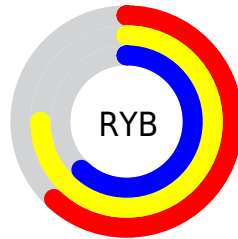
Distribution



Red (75%)

Green (74%)

Blue (62%)



Red (62%)

Yellow (75%)

Blue (62%)

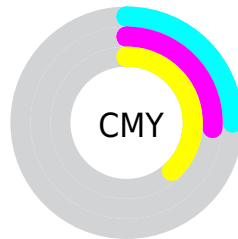


Cyan (0%)

Magenta (1%)

Yellow (17%)

Black (25%)



Cyan (25%)


Magenta (26%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8110, 0.3379, 0.3690 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 49.8110, 0.3379, 0.3690 by changing the saturation by 10% instead.

 49.8110, 0.3379,
0.3690


 49.8110, 0.3379,
0.3690


385.9264, 0.3256,
0.3490

 35.2632, 0.3409,
0.3740

 89.8948, 0.3335,
0.3618

 23.8657, 0.3447,
0.3803


 116.1996, 0.3318,
0.3590

 15.2340, 0.3496,
0.3888


147.1922, 0.3304,
0.3567

 8.9838, 0.3562,
0.4004

183.2571, 0.3292,
0.3547

 4.7306, 0.3656,
0.4176

224.7785, 0.3281,
0.3530

 2.0901, 0.3801,
0.4457

272.1409, 0.3271,

 0.6590, 0.4348,

0.3515

0.5652

325.7288, 0.3263,
0.3502

0.0000, 0.0000,
0.0000

49.8110, 0.3379,
0.3690

49.8110, 0.3379,
0.3690

48.9413, 0.3532,
0.3932

50.7875, 0.3228,
0.3450

48.1671, 0.3683,
0.4168

51.8684, 0.3082,
0.3218

47.4857, 0.3826,
0.4390

53.0602, 0.2945,
0.2998

46.8915, 0.3955,
0.4587

54.3665, 0.2817,
0.2793

46.3785, 0.4064,
0.4751

55.7912, 0.2699,
0.2603

■ 45.9401, 0.4150,
0.4875

■ 56.1911, 0.2688,
0.2591

■ 45.5681, 0.4209,
0.4956

■ 56.4663, 0.2689,
0.2598

■ 45.2519, 0.4243,
0.4997

■ 56.7427, 0.2690,
0.2605

■ 45.1574, 0.4251,
0.5006

■ 57.0202, 0.2690,
0.2613

Harmonies

Analogous

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



49.8110, 0.3533, 0.3615



49.8110, 0.3379, 0.3690



49.8110, 0.3161, 0.3651

Triad

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



49.8110, 0.3379, 0.3690



49.8110, 0.2699, 0.3095



49.8110, 0.3309, 0.3089

Complementary

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



49.8110, 0.3379, 0.3690



35.8093, 0.2856, 0.2856

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.



49.8110, 0.3080, 0.2960



49.8110, 0.3379, 0.3690



49.8110, 0.2734, 0.2958

Square

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



49.8110, 0.3379, 0.3690



49.8110, 0.2772, 0.3296



49.8110, 0.2871, 0.2912



49.8110, 0.3493, 0.3268

Rectangle

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



49.8110, 0.3379, 0.3690



49.8110, 0.3010, 0.3563



49.8110, 0.2871, 0.2912



49.8110, 0.3235, 0.3038

Sweetspot

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



49.8132, 0.3379, 0.3690



92.3229, 0.3201, 0.3408



37.9181, 0.3434, 0.3277



20.2438, 0.3212, 0.3425



97.7402, 0.3127, 0.3290



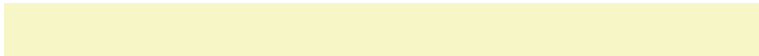
20.4902, 0.3127, 0.3290

Same Dimension

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



49.8132, 0.3379, 0.3690



89.6570, 0.3432, 0.3774



48.4387, 0.3248, 0.3720



11.0655, 0.3265, 0.3509



30.0364, 0.4251, 0.5007



1.1935, 0.4236, 0.5019

Inverse Universe

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



35.8093, 0.2856, 0.2856



59.8038, 0.2794, 0.2755



37.0590, 0.2989, 0.2858



9.2741, 0.2984, 0.3061



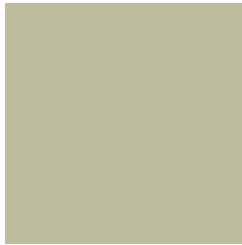
2.5845, 0.1507, 0.0625



0.1186, 0.1533, 0.0719

Previews

White Background



This preview shows how the Yxy color 49.8110, 0.3379, 0.3690 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 49.8110, 0.3379, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

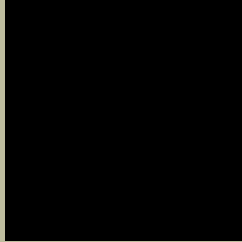
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

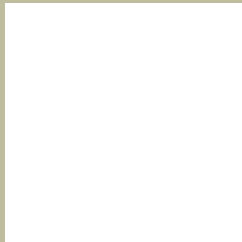
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8110, 0.3379, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 49.8110, 0.3379, 0.3690.



This preview shows how white text looks on a background with the Yxy color 49.8110, 0.3379, 0.3690.

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

49.8110, 0.3379, 0.3690

Protanopia

49.8453, 0.3453, 0.3671

Deuteranopia

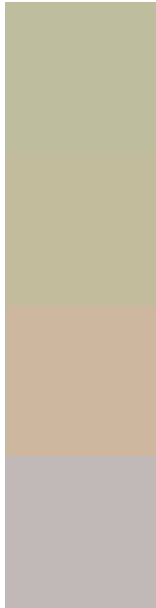
49.6277, 0.3608, 0.3533



Tritanopia

49.5463, 0.3111, 0.3105

Trichromacy



Original Color

49.8110, 0.3379, 0.3690

Protanomaly

49.8701, 0.3424, 0.3687

Deuteranomaly

49.4920, 0.3527, 0.3588

Tritanomaly

49.4543, 0.3210, 0.3315

Monochromacy



Original Color

49.8110, 0.3379, 0.3690

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2400, 0.3213, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8110, 0.3379, 0.3690 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(190, 189, 158)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 158)  
}
```

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(190, 189, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 158) }
```

Border

The CSS property to change the border of an element to Yxy 49.8110, 0.3379, 0.3690 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(190, 189, 158) }
```

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

```
.border{ border-color:rgb(190, 189, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 158);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8110, 0.3379, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 158) }
```

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

```
.background{ background-color: rgb(190,  
189, 158) }
```

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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