

Converting Colors

$Y_{xy}(45.9345, 0.3350, 0.3573)$

Have a look what the booklet for
Yxy(45.9345, 0.3350, 0.3573)
contains.

Yxy(45.9901, 0.3351, 0.3581)	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(45.9901, 0.3351, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	BAB59F
RGB	186, 181, 159
RGB Percent	73%, 71%, 62%
CMY	0.2705, 0.2902, 0.3765
CMYK	0.00, 0.03, 0.15, 0.27
HSL	49°, 16%, 68%
HSV	49°, 15%, 73%
XYZ	43.0363, 45.9901, 39.4017
YIQ	179.9870, 10.0420, -5.7820

Conversions

Conversions Part 2

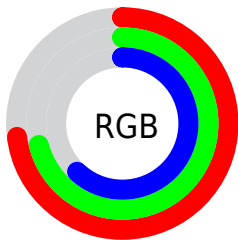
Format	Color
R_{YB}	165, 186, 159
Decimal	12236191
CIE Lab	73.54, -2.00, 11.86
CIE LCh	74, 12.023, 99.574
Yxy	45.9901, 0.3351, 0.3581
Android (android.graphics.Color)	4290426271 (0xFFBAB59F)
YUV	179.9870, -10.3466, 5.2734
Hunter-Lab	67.8160, -5.4013, 13.0231

Details

The Yxy color **45.9901, 0.3351, 0.3581** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **37.4743, 0.2899, 0.2981**, and the grayscale version is **45.6897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3007, 0.3306, 0.3526**, and **21.5076, 0.3413, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **44.0029, 0.3517, 0.3788**, and if you desaturate by 10%, it is **48.1136, 0.3195, 0.3379**.

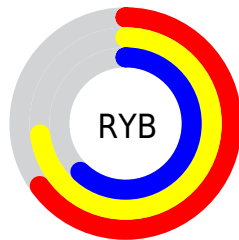
Distribution



Red (73%)

Green (71%)

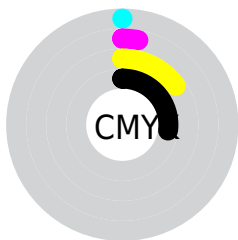
Blue (62%)



Red (65%)

Yellow (73%)

Blue (62%)

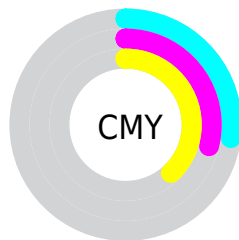


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (27%)



Cyan (27%)


Magenta (29%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9901, 0.3351, 0.3581 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 45.9901, 0.3351, 0.3581 by changing the saturation by 10% instead.


 45.9901, 0.3351,
0.3581


 45.9901, 0.3351,
0.3581


370.7688, 0.3239,
0.3435

 32.2380, 0.3379,
0.3618


 84.2042, 0.3310,
0.3528

 21.5434, 0.3415,
0.3665


 109.4350, 0.3295,
0.3508

 13.5218, 0.3462,
0.3729


139.2608, 0.3282,
0.3491

 7.7888, 0.3528,
0.3818

174.0660, 0.3271,
0.3476

 3.9601, 0.3624,
0.3951

214.2350, 0.3262,
0.3464

 1.6513, 0.3788,
0.4179

260.1522, 0.3253,

 0.3918, 0.4523,

0.3453

0.5477

312.2020, 0.3246,
0.3443

0.0000, 0.0000,
0.0000

45.9901, 0.3351,
0.3581

45.9901, 0.3351,
0.3581

44.0029, 0.3517,
0.3788

48.1136, 0.3195,
0.3379

42.1412, 0.3689,
0.3996

50.3717, 0.3049,
0.3186

40.4024, 0.3862,
0.4195

52.7704, 0.2916,
0.3005

38.7809, 0.4032,
0.4376

55.3135, 0.2795,
0.2836

37.2711, 0.4189,
0.4531

58.0048, 0.2685,
0.2681

■ 35.8664, 0.4328,
0.4649

■ 59.8017, 0.2672,
0.2691

■ 34.5592, 0.4441,
0.4724

■ 61.4434, 0.2676,
0.2732

■ 33.3407, 0.4526,
0.4753

■ 63.1218, 0.2680,
0.2772

■ 32.7027, 0.4566,
0.4757

■ 64.8371, 0.2684,
0.2812

Harmonies

Analogous

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



45.9901, 0.3446, 0.3510



45.9901, 0.3351, 0.3581



45.9901, 0.3197, 0.3572

Triad

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



45.9901, 0.3351, 0.3581



45.9901, 0.2812, 0.3182



45.9901, 0.3222, 0.3109

Complementary

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



45.9901, 0.3351, 0.3581



37.4743, 0.2899, 0.2981

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.



45.9901, 0.3050, 0.3026



45.9901, 0.3351, 0.3581



45.9901, 0.2817, 0.3063

Square

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



45.9901, 0.3351, 0.3581



45.9901, 0.2888, 0.3336



45.9901, 0.2903, 0.3008



45.9901, 0.3371, 0.3239

Rectangle

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



45.9901, 0.3351, 0.3581



45.9901, 0.3083, 0.3520



45.9901, 0.2903, 0.3008



45.9901, 0.3165, 0.3075

Sweetspot

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



45.9921, 0.3351, 0.3581



87.3625, 0.3187, 0.3370



37.9287, 0.3342, 0.3218



19.1724, 0.3199, 0.3385



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.9921, 0.3351, 0.3581



82.3189, 0.3396, 0.3638



47.0897, 0.3271, 0.3653



10.2113, 0.3268, 0.3475



22.0948, 0.4560, 0.4761



0.8535, 0.4450, 0.4849

Inverse Universe

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



37.4743, 0.2899, 0.2981



64.3243, 0.2852, 0.2917



36.5637, 0.2969, 0.2917



8.9829, 0.2984, 0.3098



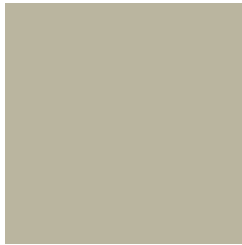
3.2621, 0.1553, 0.0792



0.1975, 0.1678, 0.1242

Previews

White Background



This preview shows how the Yxy color 45.9901, 0.3351, 0.3581 looks on a white background.

Color Contrast Check

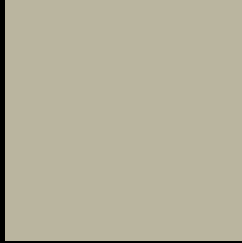
Large Text (above 18pt) WCAG AA × Fail

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 45.9901, 0.3351, 0.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

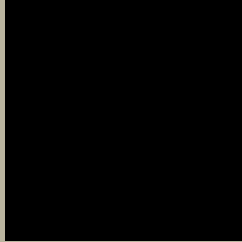
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

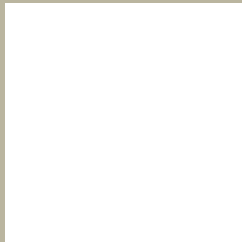
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9901, 0.3351, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 45.9901, 0.3351, 0.3581.



This preview shows how white text looks on a background with the Yxy color 45.9901, 0.3351, 0.3581.

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

45.9901, 0.3351, 0.3581

Protanopia

45.9645, 0.3380, 0.3566

Deuteranopia

45.7893, 0.3532, 0.3467



Tritanopia

45.7155, 0.3135, 0.3112

Trichromacy



Original Color

45.9901, 0.3351, 0.3581

Protanomaly

45.8371, 0.3371, 0.3567

Deuteranomaly

45.9881, 0.3460, 0.3508

Tritanomaly

45.9143, 0.3215, 0.3277

Monochromacy



Original Color

45.9901, 0.3351, 0.3581

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5662, 0.3209, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9901, 0.3351, 0.3581 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(186, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(186, 181, 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(186, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 181, 159) }
```

Border

The CSS property to change the border of an element to Yxy 45.9901, 0.3351, 0.3581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

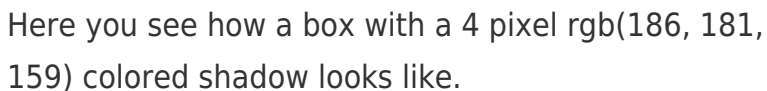
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 181, 159) }
```

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

```
.border{ border-color:rgb(186, 181, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 181, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 181, 159);  
box-shadow:4px 4px 4px 4px rgb(186, 181,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9901, 0.3351, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 181, 159) }
```

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

```
.background{ background-color: rgb(186,  
181, 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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