

Converting Colors

$Yxy(48.9622, 0.3203, 0.3536)$

Have a look what the booklet for
Yxy(48.9622, 0.3203, 0.3536)
contains.

Yxy(49.1212, 0.3207, 0.3539)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.1212, 0.3207, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	B5BDAA
RGB	181, 189, 170
RGB Percent	71%, 74%, 67%
CMY	0.2901, 0.2588, 0.3333
CMYK	0.04, 0.00, 0.10, 0.26
HSL	85°, 13%, 70%
HSV	85°, 10%, 74%
XYZ	44.5131, 49.1212, 45.1654
YIQ	184.4420, 1.3310, -7.6050

Conversions

Conversions Part 2

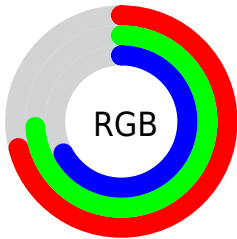
Format	Color
RYB	170, 189, 178
Decimal	11910570
CIELab	75.53, -6.22, 8.65
CIELCh	76, 10.654, 125.747
Yxy	49.1212, 0.3207, 0.3539
Android (android.graphics.Color)	4290100650 (0xFFB5BDAA)
YUV	184.4420, -7.1199, -3.0186
Hunter-Lab	70.0865, -9.2832, 10.8527

Details

The Yxy color $49.1212, 0.3207, 0.3539$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $41.8863, 0.3041, 0.3039$, and the grayscale version is $48.2323, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.7456, 0.3196, 0.3494$, and $23.5055, 0.3224, 0.3613$ is the 20% darker color. If you saturate the color by 10%, you get $47.5264, 0.3286, 0.3805$, and if you desaturate by 10%, it is $50.8778, 0.3128, 0.3291$.

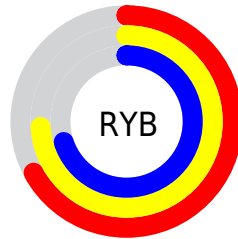
Distribution



Red (71%)

Green (74%)

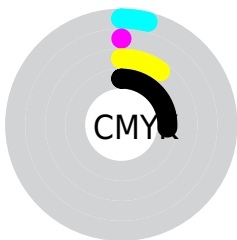
Blue (67%)



Red (67%)

Yellow (74%)

Blue (70%)

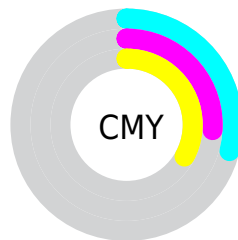


Cyan (4%)

Magenta (0%)

Yellow (10%)

Black (26%)



Cyan (29%)


Magenta (26%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1212, 0.3207, 0.3539 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 49.1212, 0.3207, 0.3539 by changing the saturation by 10% instead.


 49.1212, 0.3207,
0.3539

 49.1212, 0.3207,
0.3539


383.2193, 0.3168,
0.3414

 34.7156, 0.3216,
0.3570


 88.8714, 0.3193,
0.3493

 23.4439, 0.3228,
0.3611


114.9849, 0.3188,
0.3476

 14.9216, 0.3244,
0.3665

145.7698, 0.3183,
0.3462

 8.7644, 0.3264,
0.3740

181.6105, 0.3179,
0.3450

 4.5878, 0.3294,
0.3854

222.8914, 0.3176,
0.3439

 2.0075, 0.3339,
0.4043

269.9969, 0.3173,

 0.6118, 0.3894,

0.3430

0.5547

323.3114, 0.3171,
0.3421

0.0000, 0.0000,
0.0000

49.1212, 0.3207,
0.3539

49.1212, 0.3207,
0.3539

47.5264, 0.3286,
0.3805

50.8778, 0.3128,
0.3291

46.0816, 0.3362,
0.4085

52.7947, 0.3050,
0.3064

44.7835, 0.3431,
0.4372

54.8788, 0.2976,
0.2857

43.6260, 0.3488,
0.4656

57.1347, 0.2905,
0.2671

42.6025, 0.3530,
0.4926

58.9394, 0.2901,
0.2592

■ 41.7060, 0.3551,
0.5166

■ 60.2124, 0.2959,
0.2603

■ 40.9284, 0.3549,
0.5366

■ 61.5450, 0.3018,
0.2615

■ 40.2603, 0.3523,
0.5515

■ 62.9380, 0.3078,
0.2627

■ 39.6868, 0.3480,
0.5619

■ 64.3922, 0.3138,
0.2640

Harmonies

Analogous

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



49.1212, 0.3335, 0.3538



49.1212, 0.3207, 0.3539



49.1212, 0.3060, 0.3469

Triad

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



49.1212, 0.3207, 0.3539



49.1212, 0.2853, 0.3104



49.1212, 0.3324, 0.3230

Complementary

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



49.1212, 0.3207, 0.3539



41.8863, 0.3041, 0.3039

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.



49.1212, 0.3191, 0.3121



49.1212, 0.3207, 0.3539



49.1212, 0.2920, 0.3047

Square

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



49.1212, 0.3207, 0.3539



49.1212, 0.2858, 0.3213



49.1212, 0.3043, 0.3054



49.1212, 0.3405, 0.3356

Rectangle

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



49.1212, 0.3207, 0.3539



49.1212, 0.2970, 0.3392



49.1212, 0.3043, 0.3054



49.1212, 0.3284, 0.3190

Sweetspot

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



49.1233, 0.3207, 0.3539



90.1521, 0.3151, 0.3363



45.5287, 0.3290, 0.3393



19.3315, 0.3158, 0.3383



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.



49.1233, 0.3207, 0.3539



87.3459, 0.3224, 0.3595



48.0206, 0.3128, 0.3545



10.9155, 0.3201, 0.3521



26.7488, 0.3489, 0.5612



1.0854, 0.3657, 0.5479

Inverse Universe

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



41.8863, 0.3041, 0.3039



71.8519, 0.3021, 0.2983



43.0413, 0.3124, 0.3046



9.4158, 0.3048, 0.3057



3.6436, 0.1889, 0.0814



0.1812, 0.2171, 0.0969

Previews

White Background



This preview shows how the Yxy color 49.1212, 0.3207, 0.3539 looks on a white background.

Color Contrast Check

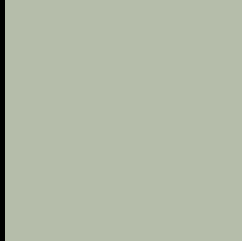
Large Text (above 18pt) WCAG AA × Fail

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 49.1212, 0.3207, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

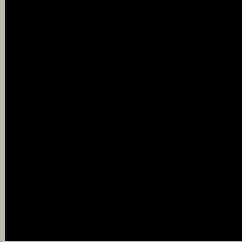
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

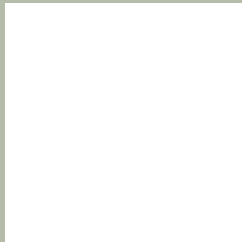
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1212, 0.3207, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 49.1212, 0.3207, 0.3539.



This preview shows how white text looks on a background with the Yxy color 49.1212, 0.3207, 0.3539.

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

49.1212, 0.3207, 0.3539

Protanopia

48.8625, 0.3332, 0.3508

Deuteranopia

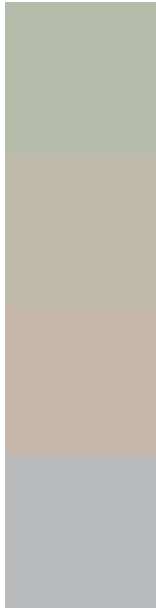
48.7741, 0.3452, 0.3377



Tritanopia

49.1357, 0.3021, 0.3114

Trichromacy



Original Color

49.1212, 0.3207, 0.3539

Protanomaly

48.8012, 0.3287, 0.3510

Deuteranomaly

48.9494, 0.3363, 0.3441

Tritanomaly

48.9390, 0.3095, 0.3264

Monochromacy



Original Color

49.1212, 0.3207, 0.3539

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4398, 0.3156, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1212, 0.3207, 0.3539 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(181, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(181, 189, 170)  
}
```

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(181, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 189, 170) }
```

Border

The CSS property to change the border of an element to Yxy 49.1212, 0.3207, 0.3539 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(181, 189, 170) }
```

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

```
.border{ border-color:rgb(181, 189, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 189, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(181, 189,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1212, 0.3207, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 189, 170) }
```

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

```
.background{ background-color: rgb(181,  
189, 170) }
```

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