

Converting Colors

$Yxy(49.9534, 0.3279, 0.3793)$

Have a look what the booklet for
Yxy(49.9534, 0.3279, 0.3793)
contains.

Yxy(49.8536, 0.3283, 0.3796)	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(49.8536, 0.3283, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	B1C19B
RGB	177, 193, 155
RGB Percent	69%, 76%, 61%
CMY	0.3059, 0.2431, 0.3921
CMYK	0.08, 0.00, 0.20, 0.24
HSL	85°, 23%, 68%
HSV	85°, 20%, 76%
XYZ	43.1163, 49.8536, 38.3621
YIQ	183.8840, 2.6620, -15.2100

Conversions

Conversions Part 2

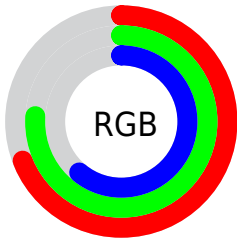
Format	Color
RYB	155, 193, 171
Decimal	11649435
CIELab	75.98, -12.28, 17.33
CIELCh	76, 21.238, 125.325
Yxy	49.8536, 0.3283, 0.3796
Android (android.graphics.Color)	4289839515 (0xFFB1C19B)
YUV	183.8840, -14.2398, -6.0373
Hunter-Lab	70.6071, -14.5612, 17.2117

Details

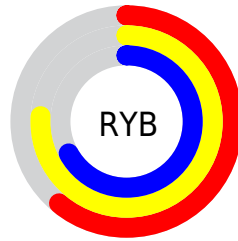
The Yxy color $49.8536, 0.3283, 0.3796$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $35.9553, 0.2946, 0.2777$, and the grayscale version is $47.9447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.7281, 0.3256, 0.3693$, and $23.7498, 0.3317, 0.3931$ is the 20% darker color. If you saturate the color by 10%, you get $48.3313, 0.3359, 0.4076$, and if you desaturate by 10%, it is $51.5409, 0.3204, 0.3530$.

Distribution



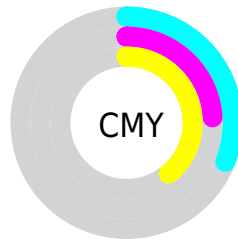
- Red (69%)
- Green (76%)
- Blue (61%)



- Red (61%)
- Yellow (76%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)





- Cyan (31%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8536, 0.3283, 0.3796 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 49.8536, 0.3283, 0.3796 by changing the saturation by 10% instead.


 49.8536, 0.3283,
0.3796

 49.8536, 0.3283,
0.3796


386.0932, 0.3209,
0.3540

 35.2971, 0.3300,
0.3861


 89.9579, 0.3257,
0.3702

 23.8918, 0.3321,
0.3944


 116.2745, 0.3247,
0.3667

 15.2534, 0.3347,
0.4056


147.2800, 0.3239,
0.3638

 8.9974, 0.3381,
0.4212

183.3586, 0.3231,
0.3613

 4.7395, 0.3423,
0.4447

224.8948, 0.3225,
0.3591

 2.0952, 0.3488,
0.4856

272.2731, 0.3219,

 0.6619, 0.3323,

0.3572

0.6677

325.8777, 0.3214,
0.3555

0.0000, 0.0000,
0.0000

49.8536, 0.3283,
0.3796

49.8536, 0.3283,
0.3796

48.3313, 0.3359,
0.4076

51.5409, 0.3204,
0.3530

46.9615, 0.3428,
0.4364

53.3921, 0.3125,
0.3283

45.7402, 0.3485,
0.4649

55.4147, 0.3047,
0.3056

44.6603, 0.3527,
0.4919

57.6137, 0.2973,
0.2850

43.7145, 0.3549,
0.5162

59.9939, 0.2903,
0.2664

■ 42.8942, 0.3547,
0.5363

■ 61.4993, 0.2939,
0.2642

■ 42.1897, 0.3522,
0.5514

■ 62.8442, 0.2999,
0.2653

■ 41.5834, 0.3478,
0.5618

■ 64.2524, 0.3059,
0.2665

■ 41.5655, 0.3477,
0.5621

■ 65.7246, 0.3120,
0.2676

Harmonies

Analogous

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



49.8536, 0.3540, 0.3781



49.8536, 0.3283, 0.3796



49.8536, 0.2993, 0.3657

Triad

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



49.8536, 0.3283, 0.3796



49.8536, 0.2593, 0.2920



49.8536, 0.3516, 0.3165

Complementary

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



49.8536, 0.3283, 0.3796



35.9553, 0.2946, 0.2777

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.



49.8536, 0.3245, 0.2960



49.8536, 0.3283, 0.3796



49.8536, 0.2718, 0.2817

Square

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



49.8536, 0.3283, 0.3796



49.8536, 0.2603, 0.3132



49.8536, 0.2952, 0.2835



49.8536, 0.3681, 0.3406

Rectangle

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



49.8536, 0.3283, 0.3796



49.8536, 0.2819, 0.3497



49.8536, 0.2952, 0.2835



49.8536, 0.3433, 0.3090

Sweetspot

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



49.8558, 0.3283, 0.3796



93.4599, 0.3175, 0.3439



42.7702, 0.3472, 0.3499



20.0043, 0.3181, 0.3455



97.7402, 0.3127, 0.3290



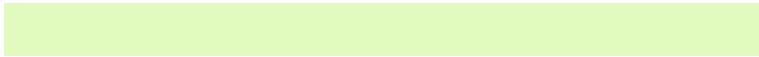
20.4902, 0.3127, 0.3290

Same Dimension

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



49.8558, 0.3283, 0.3796



87.9703, 0.3319, 0.3926



47.7963, 0.3127, 0.3821



11.5400, 0.3201, 0.3522



27.6916, 0.3486, 0.5614



1.2363, 0.3642, 0.5490

Inverse Universe

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



35.9553, 0.2946, 0.2777



58.1676, 0.2895, 0.2643



38.2215, 0.3120, 0.2803



9.9508, 0.3048, 0.3057



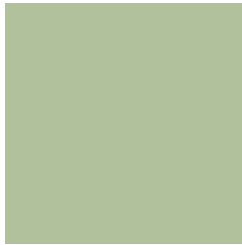
3.7794, 0.1890, 0.0815



0.2038, 0.2151, 0.0958

Previews

White Background



This preview shows how the Yxy color 49.8536, 0.3283, 0.3796 looks on a white background.

Color Contrast Check

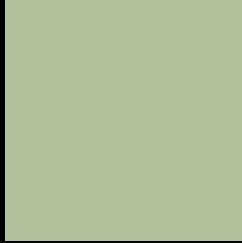
Large Text (above 18pt) WCAG AA × Fail

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 49.8536, 0.3283, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

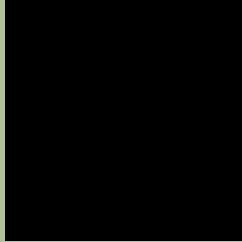
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

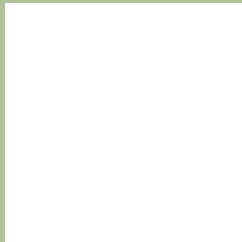
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8536, 0.3283, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 49.8536, 0.3283, 0.3796.



This preview shows how white text looks on a background with the Yxy color 49.8536, 0.3283, 0.3796.

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

49.8536, 0.3283, 0.3796

Protanopia

49.8134, 0.3503, 0.3734

Deuteranopia

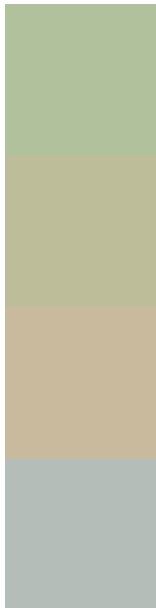
49.5582, 0.3626, 0.3557



Tritanopia

49.9480, 0.2998, 0.3114

Trichromacy



Original Color

49.8536, 0.3283, 0.3796

Protanomaly

49.6422, 0.3419, 0.3756

Deuteranomaly

49.5498, 0.3494, 0.3643

Tritanomaly

49.6796, 0.3100, 0.3354

Monochromacy



Original Color

49.8536, 0.3283, 0.3796

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3815, 0.3185, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8536, 0.3283, 0.3796 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(177, 193, 155)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 155)  
}
```

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(177, 193, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 193, 155) }
```

Border

The CSS property to change the border of an element to Yxy 49.8536, 0.3283, 0.3796 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(177, 193, 155) }
```

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

```
.border{ border-color:rgb(177, 193, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 193, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 193, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 193, 155);  
box-shadow:4px 4px 4px 4px rgb(177, 193,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8536, 0.3283, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 193, 155) }
```

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

```
.background{ background-color: rgb(177,  
193, 155) }
```

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