

Converting Colors

$Y_{xy}(49.5400, 0.3308, 0.3554)$

Have a look what the booklet for
Yxy(49.5400, 0.3308, 0.3554)
contains.

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Color

Yxy(49.7036, 0.3309, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	BEBCA7
RGB	190, 188, 167
RGB Percent	75%, 74%, 65%
CMY	0.2548, 0.2628, 0.3451
CMYK	0.00, 0.01, 0.12, 0.25
HSL	55°, 15%, 70%
HSV	55°, 12%, 75%
XYZ	46.1992, 49.7036, 43.7140
YIQ	186.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

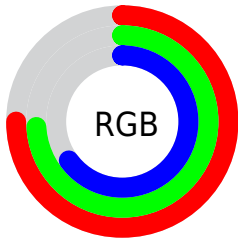
Format	Color
RYB	169, 190, 167
Decimal	12500135
CIELab	75.89, -2.94, 10.88
CIELCh	76, 11.272, 105.094
Yxy	49.7036, 0.3309, 0.3560
Android (android.graphics.Color)	4290690215 (0xFFBEBCA7)
YUV	186.2040, -9.4676, 3.3291
Hunter-Lab	70.5008, -6.4052, 12.5878

Details

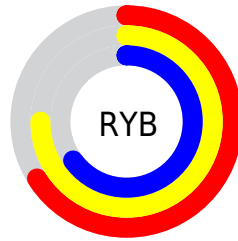
The Yxy color $49.7036, 0.3309, 0.3560$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.3223, 0.2938, 0.3005$, and the grayscale version is $49.2772, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5681, 0.3275, 0.3511$, and $23.8841, 0.3364, 0.3639$ is the 20% darker color. If you saturate the color by 10%, you get $48.3392, 0.3466, 0.3789$, and if you desaturate by 10%, it is $51.1841, 0.3158, 0.3336$.

Distribution



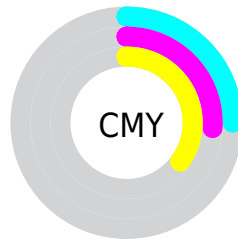
- Red (75%)
- Green (74%)
- Blue (65%)



- Red (66%)
- Yellow (75%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (25%)





- Cyan (25%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7036, 0.3309, 0.3560 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 49.7036, 0.3309, 0.3560 by changing the saturation by 10% instead.


 49.7036, 0.3309,
0.3560

 49.7036, 0.3309,
0.3560


385.5057, 0.3220,
0.3426

 35.1779, 0.3331,
0.3593


 89.7356, 0.3277,
0.3511

 23.8000, 0.3359,
0.3636


 116.0107, 0.3265,
0.3493

 15.1853, 0.3395,
0.3693


146.9710, 0.3254,
0.3477

 8.9495, 0.3446,
0.3772

183.0011, 0.3245,
0.3464

 4.7083, 0.3518,
0.3888

224.4851, 0.3238,
0.3453

 2.0771, 0.3632,
0.4077

271.8077, 0.3231,

 0.6517, 0.4567,

0.3442

0.5433

325.3531, 0.3225,
0.3434

0.0000, 0.0000,
0.0000

49.7036, 0.3309,
0.3560

49.7036, 0.3309,
0.3560

48.3392, 0.3466,
0.3789

51.1841, 0.3158,
0.3336

47.0797, 0.3625,
0.4018

52.7782, 0.3016,
0.3123

45.9225, 0.3782,
0.4238

54.4923, 0.2884,
0.2922

44.8624, 0.3930,
0.4440

56.3301, 0.2763,
0.2736

43.8936, 0.4064,
0.4615

57.8355, 0.2692,
0.2633

■ 43.0097, 0.4177,
0.4754

■ 58.6008, 0.2694,
0.2653

■ 42.2033, 0.4264,
0.4851

■ 59.3747, 0.2696,
0.2672

■ 41.4656, 0.4325,
0.4904

■ 60.1571, 0.2698,
0.2692

■ 40.9198, 0.4358,
0.4922

■ 60.9482, 0.2699,
0.2711

Harmonies

Analogous

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



49.7036, 0.3408, 0.3508



49.7036, 0.3309, 0.3560



49.7036, 0.3163, 0.3537

Triad

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



49.7036, 0.3309, 0.3560



49.7036, 0.2834, 0.3168



49.7036, 0.3242, 0.3144

Complementary

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



49.7036, 0.3309, 0.3560



40.3223, 0.2938, 0.3005

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.



49.7036, 0.3086, 0.3058



49.7036, 0.3309, 0.3560



49.7036, 0.2853, 0.3068

Square

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



49.7036, 0.3309, 0.3560



49.7036, 0.2890, 0.3306



49.7036, 0.2944, 0.3030



49.7036, 0.3369, 0.3268

Rectangle

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



49.7036, 0.3309, 0.3560



49.7036, 0.3059, 0.3481



49.7036, 0.2944, 0.3030



49.7036, 0.3191, 0.3110

Sweetspot

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



49.7058, 0.3309, 0.3560



92.1793, 0.3187, 0.3379



41.4624, 0.3322, 0.3260



20.1960, 0.3198, 0.3396



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.



49.7058, 0.3309, 0.3560



89.2440, 0.3357, 0.3631



49.4337, 0.3227, 0.3593



10.9721, 0.3266, 0.3497



27.2570, 0.4355, 0.4924



1.1105, 0.4312, 0.4958

Inverse Universe

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



40.3223, 0.2938, 0.3005



68.3317, 0.2885, 0.2924



40.6088, 0.3018, 0.2984



9.3575, 0.2984, 0.3074



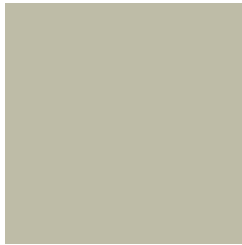
2.7861, 0.1519, 0.0668



0.1556, 0.1586, 0.0909

Previews

White Background



This preview shows how the Yxy color 49.7036, 0.3309, 0.3560 looks on a white background.

Color Contrast Check

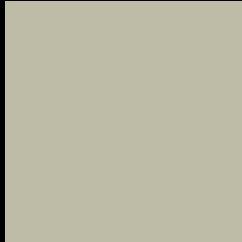
Large Text (above 18pt) WCAG AA × Fail

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 49.7036, 0.3309, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

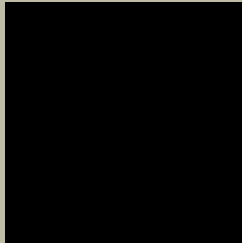
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

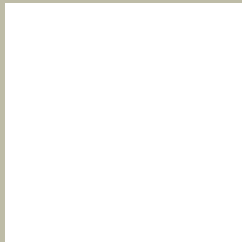
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7036, 0.3309, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 49.7036, 0.3309, 0.3560.



This preview shows how white text looks on a background with the Yxy color 49.7036, 0.3309, 0.3560.

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

49.7036, 0.3309, 0.3560

Protanopia

49.4731, 0.3364, 0.3545

Deuteranopia

49.5041, 0.3503, 0.3424



Tritanopia

49.8275, 0.3102, 0.3117

Trichromacy



Original Color

49.7036, 0.3309, 0.3560

Protanomaly

49.6313, 0.3344, 0.3558

Deuteranomaly

49.5315, 0.3433, 0.3477

Tritanomaly

49.6232, 0.3179, 0.3265

Monochromacy



Original Color

49.7036, 0.3309, 0.3560

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3601, 0.3189, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7036, 0.3309, 0.3560 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, 188, 167)` looks like.

```
.text, #text, p{  
    color:rgb(190, 188, 167)  
}
```

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, 188, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 188, 167) }
```

Border

The CSS property to change the border of an element to Yxy 49.7036, 0.3309, 0.3560 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, 188, 167) }
```

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

```
.border{ border-color:rgb(190, 188, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 188, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 188, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 188, 167);  
box-shadow:4px 4px 4px 4px rgb(190, 188,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7036, 0.3309, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 188, 167) }
```

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

```
.background{ background-color: rgb(190,  
188, 167) }
```

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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