

Converting Colors

$Y_{xy}(49.6139, 0.3455, 0.3625)$

Have a look what the booklet for
Yxy(49.6139, 0.3455, 0.3625)
contains.

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Color

Yxy(49.7631, 0.3457, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	C7BA9F
RGB	199, 186, 159
RGB Percent	78%, 73%, 62%
CMY	0.2194, 0.2706, 0.3765
CMYK	0.00, 0.07, 0.20, 0.22
HSL	40°, 26%, 70%
HSV	40°, 20%, 78%
XYZ	47.3784, 49.7631, 39.9092
YIQ	186.8090, 16.4150, -5.6410

Conversions

Conversions Part 2

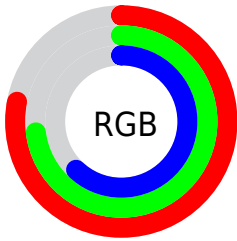
Format	Color
RYB	178, 199, 159
Decimal	13089439
CIELab	75.92, 0.22, 15.36
CIELCh	76, 15.359, 89.166
Yxy	49.7631, 0.3457, 0.3631
Android (android.graphics.Color)	4291279519 (0xFFC7BA9F)
YUV	186.8090, -13.7098, 10.6915
Hunter-Lab	70.5430, -3.5651, 15.8372

Details

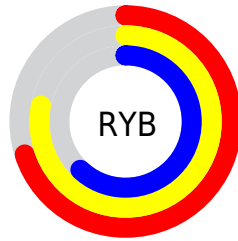
The Yxy color $49.7631, 0.3457, 0.3631$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $41.0220, 0.2807, 0.2924$, and the grayscale version is $49.6564, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6193, 0.3389, 0.3568$, and $23.8775, 0.3544, 0.3717$ is the 20% darker color. If you saturate the color by 10%, you get $46.4572, 0.3644, 0.3808$, and if you desaturate by 10%, it is $53.3088, 0.3285, 0.3458$.

Distribution



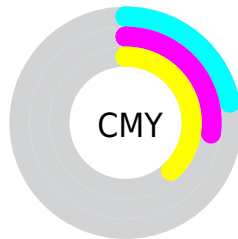
- Red (78%)
- Green (73%)
- Blue (62%)



- Red (70%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7631, 0.3457, 0.3631 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 49.7631, 0.3457, 0.3631 by changing the saturation by 10% instead.


 49.7631, 0.3457,
0.3631


 49.7631, 0.3457,
0.3631


385.7388, 0.3294,
0.3463

 35.2252, 0.3497,
0.3672


 89.8238, 0.3398,
0.3570

 23.8364, 0.3548,
0.3725

 116.1153, 0.3376,
0.3548

 15.2123, 0.3615,
0.3793


147.0936, 0.3357,
0.3528

 8.9685, 0.3706,
0.3887

183.1429, 0.3341,
0.3511

 4.7207, 0.3838,
0.4023

224.6477, 0.3327,
0.3497

 2.0843, 0.4046,
0.4236

271.9923, 0.3315,

 0.6558, 0.4895,

0.3484

0.5105

325.5612, 0.3304,
0.3473

0.0000, 0.0000,
0.0000

49.7631, 0.3457,
0.3631

49.7631, 0.3457,
0.3631

46.4572, 0.3644,
0.3808

53.3088, 0.3285,
0.3458

43.3776, 0.3843,
0.3983

57.0943, 0.3129,
0.3292

40.5190, 0.4050,
0.4148

61.1280, 0.2988,
0.3136

37.8735, 0.4257,
0.4292

65.4158, 0.2863,
0.2991

35.4323, 0.4457,
0.4405

69.7344, 0.2771,
0.2893

■ 33.1856, 0.4638,
0.4477

■ 73.1743, 0.2776,
0.2965

■ 31.1223, 0.4792,
0.4499

■ 76.7475, 0.2781,
0.3036

■ 29.2435, 0.4917,
0.4478

■ 80.4555, 0.2787,
0.3107

■ 84.2995, 0.2792,
0.3177

Harmonies

Analogous

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



49.7631, 0.3541, 0.3512



49.7631, 0.3457, 0.3631



49.7631, 0.3285, 0.3659

Triad

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



49.7631, 0.3457, 0.3631



49.7631, 0.2758, 0.3218



49.7631, 0.3170, 0.3023

Complementary

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



49.7631, 0.3457, 0.3631



41.0220, 0.2807, 0.2924

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.



49.7631, 0.2962, 0.2946



49.7631, 0.3457, 0.3631



49.7631, 0.2729, 0.3050

Square

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



49.7631, 0.3457, 0.3631



49.7631, 0.2883, 0.3415



49.7631, 0.2802, 0.2953



49.7631, 0.3373, 0.3166

Rectangle

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



49.7631, 0.3457, 0.3631



49.7631, 0.3145, 0.3618



49.7631, 0.2802, 0.2953



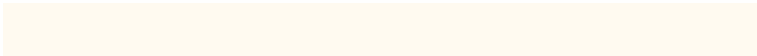
49.7631, 0.3098, 0.2989

Sweetspot

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



49.7653, 0.3457, 0.3631



95.9127, 0.3220, 0.3390



39.9368, 0.3394, 0.3120



20.4361, 0.3231, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



49.7653, 0.3457, 0.3631



84.5923, 0.3534, 0.3706



54.6245, 0.3371, 0.3795



11.8117, 0.3273, 0.3445



18.9604, 0.4905, 0.4488



1.0256, 0.4721, 0.4633

Inverse Universe

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



41.0220, 0.2807, 0.2924



66.6288, 0.2734, 0.2836



36.9944, 0.2852, 0.2750



10.8427, 0.2983, 0.3130



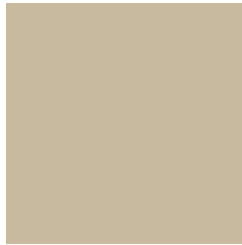
5.2156, 0.1632, 0.1076



0.3798, 0.1753, 0.1509

Previews

White Background



This preview shows how the Yxy color 49.7631, 0.3457, 0.3631 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 49.7631, 0.3457, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

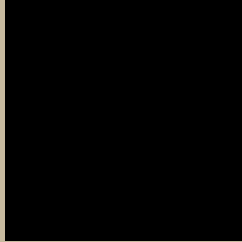
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

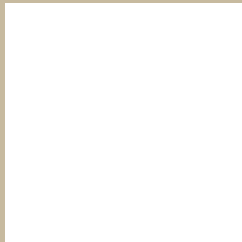
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7631, 0.3457, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 49.7631, 0.3457, 0.3631.



This preview shows how white text looks on a background with the Yxy color 49.7631, 0.3457, 0.3631.

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

49.7631, 0.3457, 0.3631

Protanopia

49.9142, 0.3437, 0.3645

Deuteranopia

49.6277, 0.3608, 0.3533



Tritanopia

49.8252, 0.3212, 0.3121

Trichromacy



Original Color

49.7631, 0.3457, 0.3631

Protanomaly

50.0496, 0.3445, 0.3644

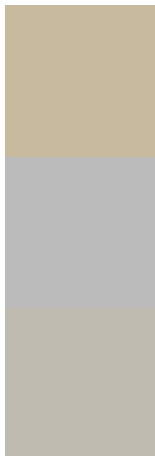
Deuteranomaly

49.5493, 0.3548, 0.3561

Tritanomaly

49.8009, 0.3298, 0.3303

Monochromacy



Original Color

49.7631, 0.3457, 0.3631

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7913, 0.3239, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7631, 0.3457, 0.3631 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(199, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(199, 186, 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(199, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 186, 159) }
```

Border

The CSS property to change the border of an element to Yxy 49.7631, 0.3457, 0.3631 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(199, 186, 159) }
```

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

```
.border{ border-color:rgb(199, 186, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(199, 186,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7631, 0.3457, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 186, 159) }
```

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

```
.background{ background-color: rgb(199,  
186, 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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