

Converting Colors

$Yxy(49.0780, 0.3399, 0.3570)$

Have a look what the booklet for
Yxy(49.0780, 0.3399, 0.3570)
contains.

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Color

Yxy(49.0780, 0.3399, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	C4B9A3
RGB	196, 185, 163
RGB Percent	77%, 73%, 64%
CMY	0.2313, 0.2745, 0.3607
CMYK	0.00, 0.06, 0.17, 0.23
HSL	40°, 22%, 70%
HSV	40°, 17%, 77%
XYZ	46.7272, 49.0780, 41.6682
YIQ	185.7810, 13.6180, -4.5100

Conversions

Conversions Part 2

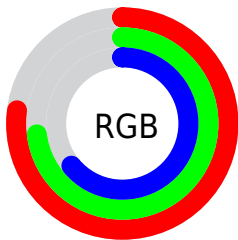
Format	Color
RYB	180, 196, 163
Decimal	12892579
CIELab	75.50, 0.23, 12.55
CIELCh	75, 12.556, 88.971
Yxy	49.0780, 0.3399, 0.3570
Android (android.graphics.Color)	4291082659 (0xFFC4B9A3)
YUV	185.7810, -11.2310, 8.9621
Hunter-Lab	70.0557, -3.5378, 13.7741

Details

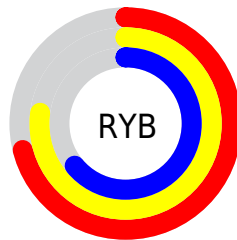
The Yxy color $49.0780, 0.3399, 0.3570$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.0555, 0.2862, 0.2993$, and the grayscale version is $49.0343, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.8552, 0.3351, 0.3519$, and $23.4010, 0.3477, 0.3653$ is the 20% darker color. If you saturate the color by 10%, you get $45.7576, 0.3582, 0.3744$, and if you desaturate by 10%, it is $52.6376, 0.3232, 0.3401$.

Distribution



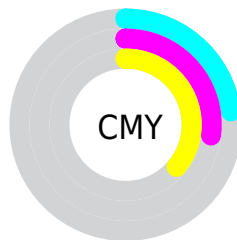
- Red (77%)
- Green (73%)
- Blue (64%)



- Red (71%)
- Yellow (77%)
- Blue (64%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (23%)





- Cyan (23%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0780, 0.3399, 0.3570 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 49.0780, 0.3399, 0.3570 by changing the saturation by 10% instead.


 49.0780, 0.3399,
0.3570


 49.0780, 0.3399,
0.3570


383.0493, 0.3264,
0.3431

 34.6814, 0.3432,
0.3604

 88.8073, 0.3350,
0.3520

 23.4175, 0.3475,
0.3648


 114.9087, 0.3332,
0.3501

 14.9021, 0.3531,
0.3705


145.6806, 0.3316,
0.3485

 8.7507, 0.3608,
0.3784

181.5072, 0.3303,
0.3471

 4.5789, 0.3720,
0.3899

222.7729, 0.3291,
0.3459

 2.0024, 0.3899,
0.4082

269.8623, 0.3281,

 0.6089, 0.4897,

0.3449

0.5103

323.1596, 0.3272,
0.3440

0.0000, 0.0000,
0.0000

49.0780, 0.3399,
0.3570

49.0780, 0.3399,
0.3570

45.7576, 0.3582,
0.3744

52.6376, 0.3232,
0.3401

42.6630, 0.3778,
0.3919

56.4360, 0.3081,
0.3240

39.7895, 0.3984,
0.4086

60.4815, 0.2946,
0.3090

37.1293, 0.4195,
0.4237

64.7799, 0.2825,
0.2950

34.6743, 0.4401,
0.4360

68.9427, 0.2751,
0.2882

■ 32.4151, 0.4593,
0.4445

■ 72.3952, 0.2757,
0.2955

■ 30.3415, 0.4760,
0.4483

■ 75.9831, 0.2763,
0.3028

■ 28.4400, 0.4896,
0.4471

■ 79.7076, 0.2769,
0.3100

■ 27.8662, 0.4937,
0.4462

■ 83.5703, 0.2774,
0.3171

Harmonies

Analogous

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



49.0780, 0.3467, 0.3474



49.0780, 0.3399, 0.3570



49.0780, 0.3259, 0.3592

Triad

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



49.0780, 0.3399, 0.3570



49.0780, 0.2823, 0.3233



49.0780, 0.3162, 0.3069

Complementary

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



49.0780, 0.3399, 0.3570



42.0555, 0.2862, 0.2993

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.



49.0780, 0.2990, 0.3005



49.0780, 0.3399, 0.3570



49.0780, 0.2799, 0.3094

Square

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



49.0780, 0.3399, 0.3570



49.0780, 0.2927, 0.3394



49.0780, 0.2859, 0.3013



49.0780, 0.3328, 0.3187

Rectangle

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



49.0780, 0.3399, 0.3570



49.0780, 0.3144, 0.3558



49.0780, 0.2859, 0.3013



49.0780, 0.3103, 0.3040

Sweetspot

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



49.0802, 0.3399, 0.3570



96.5218, 0.3204, 0.3372



41.0155, 0.3337, 0.3142



20.5570, 0.3216, 0.3384



0.0000, 0.0000, 0.0000



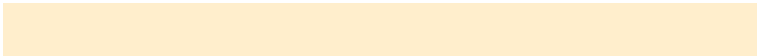
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0802, 0.3399, 0.3570



86.7602, 0.3461, 0.3630



53.2121, 0.3335, 0.3709



11.1738, 0.3273, 0.3443



18.0674, 0.4924, 0.4472



0.9031, 0.4722, 0.4632

Inverse Universe

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



42.0555, 0.2862, 0.2993



71.7780, 0.2804, 0.2925



38.5077, 0.2898, 0.2846



10.2848, 0.2984, 0.3132



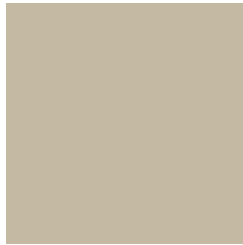
5.1618, 0.1638, 0.1098



0.3514, 0.1768, 0.1565

Previews

White Background



This preview shows how the Yxy color 49.0780, 0.3399, 0.3570 looks on a white background.

Color Contrast Check

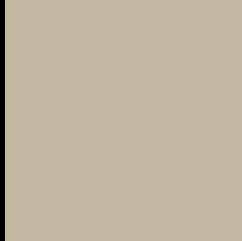
Large Text (above 18pt) WCAG AA × Fail

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 49.0780, 0.3399, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

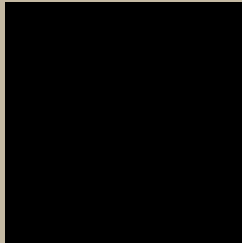
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0780, 0.3399, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 49.0780, 0.3399, 0.3570.



This preview shows how white text looks on a background with the Yxy color 49.0780, 0.3399, 0.3570.

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

49.0780, 0.3399, 0.3570

Protanopia

48.9444, 0.3390, 0.3571

Deuteranopia

48.9176, 0.3549, 0.3474



Tritanopia

48.8620, 0.3178, 0.3107

Trichromacy



Original Color

49.0780, 0.3399, 0.3570

Protanomaly

48.9444, 0.3390, 0.3571

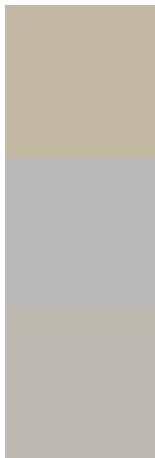
Deuteranomaly

48.8499, 0.3489, 0.3501

Tritanomaly

49.0169, 0.3265, 0.3278

Monochromacy



Original Color

49.0780, 0.3399, 0.3570

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2793, 0.3224, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0780, 0.3399, 0.3570 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(196, 185, 163)` looks like.

```
.text, #text, p{  
    color:rgb(196, 185, 163)  
}
```

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(196, 185, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 185, 163) }
```

Border

The CSS property to change the border of an element to Yxy 49.0780, 0.3399, 0.3570 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(196, 185, 163) }
```

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

```
.border{ border-color:rgb(196, 185, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 185, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 185, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 185, 163);  
box-shadow:4px 4px 4px 4px rgb(196, 185,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0780, 0.3399, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 185, 163) }
```

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

```
.background{ background-color: rgb(196,  
185, 163) }
```

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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