

Converting Colors

$Yxy(49.7766, 0.3341, 0.3498)$

Have a look what the booklet for
Yxy(49.7766, 0.3341, 0.3498)
contains.

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Color

Yxy(49.7559, 0.3340, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	C4BAAA
RGB	196, 186, 170
RGB Percent	77%, 73%, 67%
CMY	0.2314, 0.2706, 0.3334
CMYK	0.00, 0.05, 0.13, 0.23
HSL	37°, 18%, 72%
HSV	37°, 13%, 77%
XYZ	47.5765, 49.7559, 45.1122
YIQ	187.1660, 11.0960, -2.8560

Conversions

Conversions Part 2

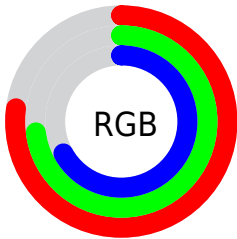
Format	Color
RYB	186, 196, 170
Decimal	12892842
CIELab	75.92, 0.79, 9.38
CIELCh	76, 9.416, 85.161
Yxy	49.7559, 0.3340, 0.3493
Android (android.graphics.Color)	4291082922 (0xFFC4BAAA)
YUV	187.1660, -8.4628, 7.7474
Hunter-Lab	70.5379, -3.0463, 11.4578

Details

The Yxy color **49.7559, 0.3340, 0.3493** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.1546, 0.2921, 0.3078**, and the grayscale version is **49.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8232, 0.3306, 0.3458**, and **23.8338, 0.3396, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **45.9843, 0.3521, 0.3654**, and if you desaturate by 10%, it is **53.8093, 0.3177, 0.3339**.

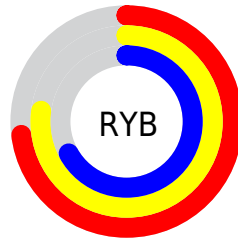
Distribution



Red (77%)

Green (73%)

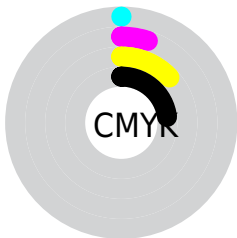
Blue (67%)



Red (73%)

Yellow (77%)

Blue (67%)

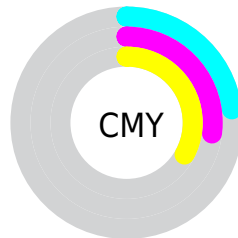


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (23%)



Cyan (23%)


Magenta (27%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7559, 0.3340, 0.3493 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 49.7559, 0.3340, 0.3493 by changing the saturation by 10% instead.

 49.7559, 0.3340,
0.3493

 49.7559, 0.3340,
0.3493


385.7106, 0.3235,
0.3393

 35.2195, 0.3366,
0.3518


 89.8131, 0.3302,
0.3457

 23.8320, 0.3399,
0.3549


116.1027, 0.3288,
0.3443

 15.2090, 0.3443,
0.3590


147.0788, 0.3275,
0.3432

 8.9662, 0.3504,
0.3647

183.1257, 0.3265,
0.3422

 4.7192, 0.3593,
0.3731

224.6280, 0.3256,
0.3413

 2.0834, 0.3736,
0.3863

271.9700, 0.3248,

 0.6553, 0.4739,

0.3406

0.4836

325.5361, 0.3241,
0.3399

0.0000, 0.0000,
0.0000

49.7559, 0.3340,
0.3493

49.7559, 0.3340,
0.3493

45.9843, 0.3521,
0.3654

53.8093, 0.3177,
0.3339

42.4806, 0.3720,
0.3817

58.1450, 0.3031,
0.3193

39.2390, 0.3934,
0.3977

62.7719, 0.2902,
0.3058

36.2513, 0.4158,
0.4124

67.6966, 0.2788,
0.2933

33.5084, 0.4385,
0.4249

72.0614, 0.2756,
0.2949

■ 31.0005, 0.4605,
0.4339

■ 76.1853, 0.2763,
0.3032

■ 28.7167, 0.4805,
0.4385

■ 80.4902, 0.2770,
0.3114

■ 26.6443, 0.4975,
0.4378

■ 84.9782, 0.2776,
0.3196

■ 25.3562, 0.5076,
0.4352

■ 89.6517, 0.2783,
0.3275

Harmonies

Analogous

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



49.7559, 0.3381, 0.3417



49.7559, 0.3340, 0.3493



49.7559, 0.3241, 0.3516

Triad

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



49.7559, 0.3340, 0.3493



49.7559, 0.2906, 0.3264



49.7559, 0.3137, 0.3115

Complementary

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



49.7559, 0.3340, 0.3493



45.1546, 0.2921, 0.3078

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.



49.7559, 0.3011, 0.3073



49.7559, 0.3340, 0.3493



49.7559, 0.2879, 0.3156

Square

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



49.7559, 0.3340, 0.3493



49.7559, 0.2991, 0.3382



49.7559, 0.2917, 0.3088



49.7559, 0.3263, 0.3200

Rectangle

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



49.7559, 0.3340, 0.3493



49.7559, 0.3157, 0.3495



49.7559, 0.2917, 0.3088



49.7559, 0.3093, 0.3095

Sweetspot

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



49.7581, 0.3340, 0.3493



96.8882, 0.3189, 0.3351



43.7853, 0.3275, 0.3158



20.6148, 0.3201, 0.3362



0.0000, 0.0000, 0.0000



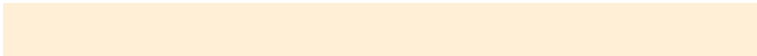
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7581, 0.3340, 0.3493



88.0588, 0.3392, 0.3540



53.7686, 0.3302, 0.3617



11.0880, 0.3274, 0.3432



16.4639, 0.5060, 0.4364



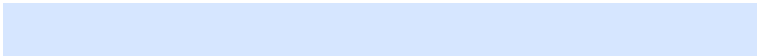
0.8414, 0.4818, 0.4556

Inverse Universe

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



45.1546, 0.2921, 0.3078



78.0608, 0.2873, 0.3026



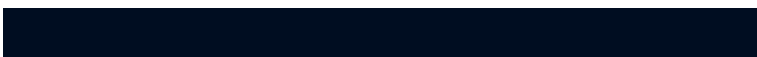
41.5604, 0.2939, 0.2946



10.3676, 0.2984, 0.3144



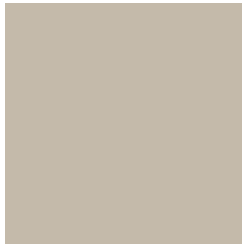
5.9685, 0.1676, 0.1234



0.3914, 0.1804, 0.1693

Previews

White Background



This preview shows how the Yxy color 49.7559, 0.3340, 0.3493 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 49.7559, 0.3340, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

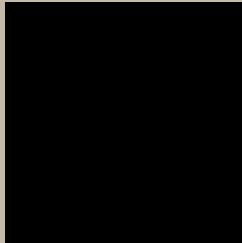
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

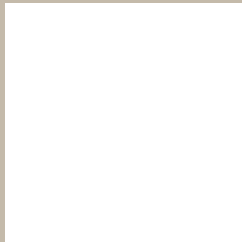
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7559, 0.3340, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 49.7559, 0.3340, 0.3493.

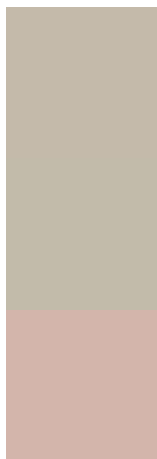


This preview shows how white text looks on a background with the Yxy color 49.7559, 0.3340, 0.3493.

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

49.7559, 0.3340, 0.3493

Protanopia

49.9123, 0.3321, 0.3506

Deuteranopia

49.8369, 0.3474, 0.3412



Tritanopia

49.7208, 0.3169, 0.3119

Trichromacy



Original Color

49.7559, 0.3340, 0.3493

Protanomaly

50.0450, 0.3329, 0.3506

Deuteranomaly

49.9291, 0.3425, 0.3438

Tritanomaly

49.5969, 0.3232, 0.3241

Monochromacy



Original Color

49.7559, 0.3340, 0.3493

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8240, 0.3199, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7559, 0.3340, 0.3493 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, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(196, 186, 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(196, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 186, 170) }
```

Border

The CSS property to change the border of an element to Yxy 49.7559, 0.3340, 0.3493 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, 186, 170) }
```

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

```
.border{ border-color:rgb(196, 186, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 186, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 186, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 186, 170); box-shadow:4px 4px 4px 4px rgb(196, 186, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7559, 0.3340, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 186, 170) }
```

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

```
.background{ background-color: rgb(196,  
186, 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](#).

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