

Converting Colors

$Yxy(49.5001, 0.3353, 0.3384)$

Have a look what the booklet for
Yxy(49.5001, 0.3353, 0.3384)
contains.

Yxy(49.5187, 0.3356, 0.3390)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5187, 0.3356, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	CAB7AF
RGB	202, 183, 175
RGB Percent	79%, 72%, 69%
CMY	0.2080, 0.2823, 0.3137
CMYK	0.00, 0.09, 0.13, 0.21
HSL	18°, 20%, 74%
HSV	18°, 13%, 79%
XYZ	49.0221, 49.5187, 47.5321
YIQ	187.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

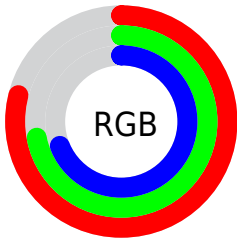
Format	Color
R _Y B	202, 186, 175
Decimal	13285295
CIE Lab	75.77, 5.41, 6.51
CIE LCh	76, 8.462, 50.297
Yxy	49.5187, 0.3356, 0.3390
Android (android.graphics.Color)	4291475375 (0xFFCAB7AF)
YUV	187.7690, -6.2951, 12.4806
Hunter-Lab	70.3695, 1.2031, 9.2104

Details

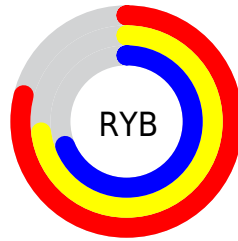
The Yxy color **49.5187, 0.3356, 0.3390** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.9404, 0.2923, 0.3188**, and the grayscale version is **50.1813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7625, 0.3284, 0.3369**, and **23.6912, 0.3419, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **43.2216, 0.3565, 0.3470**, and if you desaturate by 10%, it is **56.5295, 0.3180, 0.3314**.

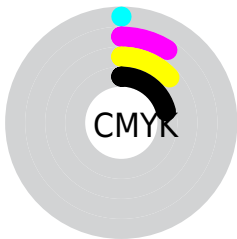
Distribution



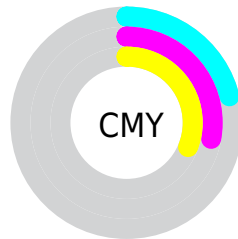
- Red (79%)
- Green (72%)
- Blue (69%)



- Red (79%)
- Yellow (73%)
- Blue (69%)



- Cyan (0%)
- Magenta (9%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5187, 0.3356, 0.3390 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 49.5187, 0.3356, 0.3390 by changing the saturation by 10% instead.


 49.5187, 0.3356,
0.3390

 49.5187, 0.3356,
0.3390


384.7808, 0.3242,
0.3342

 35.0311, 0.3384,
0.3402


 89.4614, 0.3315,
0.3373

 23.6868, 0.3420,
0.3416


115.6852, 0.3299,
0.3366

 15.1015, 0.3468,
0.3436


146.5900, 0.3286,
0.3360

 8.8906, 0.3535,
0.3462

182.5600, 0.3275,
0.3356

 4.6699, 0.3634,
0.3499

223.9797, 0.3265,
0.3351

 2.0549, 0.3796,
0.3556

271.2335, 0.3256,

 0.6391, 0.4566,

0.3348

0.3947

324.7057, 0.3249,
0.3344

0.0000, 0.0000,
0.0000

49.5187, 0.3356,
0.3390

49.5187, 0.3356,
0.3390

43.2216, 0.3565,
0.3470

56.5295, 0.3180,
0.3314

37.6089, 0.3812,
0.3552

64.2691, 0.3031,
0.3244

32.6590, 0.4098,
0.3632

72.7602, 0.2906,
0.3179

28.3465, 0.4425,
0.3703

81.9717, 0.2805,
0.3128

24.6444, 0.4783,
0.3756

90.6493, 0.2815,
0.3279

■ 21.5236, 0.5155,
0.3779

■ 91.2922, 0.2816,
0.3289

■ 18.9523, 0.5510,
0.3760

■ 16.8951, 0.5812,
0.3694

■ 15.7860, 0.5979,
0.3635

Harmonies

Analogous

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



49.5187, 0.3321, 0.3291



49.5187, 0.3356, 0.3390



49.5187, 0.3329, 0.3465

Triad

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



49.5187, 0.3356, 0.3390



49.5187, 0.3021, 0.3388



49.5187, 0.3006, 0.3093

Complementary

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



49.5187, 0.3356, 0.3390



51.9404, 0.2923, 0.3188

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.



49.5187, 0.2929, 0.3115



49.5187, 0.3356, 0.3390



49.5187, 0.2937, 0.3284

Square

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



49.5187, 0.3356, 0.3390



49.5187, 0.3134, 0.3466



49.5187, 0.2904, 0.3184



49.5187, 0.3117, 0.3123

Rectangle

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



49.5187, 0.3356, 0.3390



49.5187, 0.3279, 0.3490



49.5187, 0.2904, 0.3184



49.5187, 0.2975, 0.3095

Sweetspot

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



49.5209, 0.3356, 0.3390



94.8714, 0.3191, 0.3319



47.1227, 0.3205, 0.3054



20.1048, 0.3204, 0.3325



0.0000, 0.0000, 0.0000



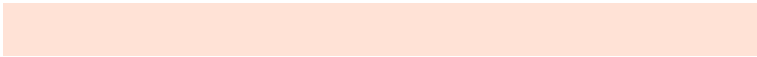
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5209, 0.3356, 0.3390



80.6948, 0.3412, 0.3413



55.1840, 0.3334, 0.3548



11.7480, 0.3283, 0.3360



10.2982, 0.5955, 0.3654



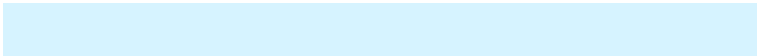
0.6647, 0.5563, 0.3965

Inverse Universe

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



51.9404, 0.2923, 0.3188



85.5727, 0.2879, 0.3164



46.3616, 0.2918, 0.3018



12.1421, 0.2983, 0.3220



15.3487, 0.1972, 0.2300



0.9201, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 49.5187, 0.3356, 0.3390 looks on a white background.

Color Contrast Check

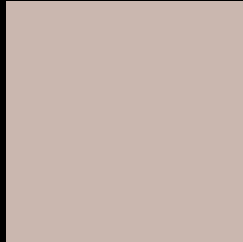
Large Text (above 18pt) WCAG AA × Fail

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 49.5187, 0.3356, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

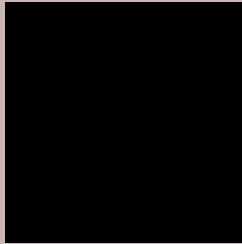
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5187, 0.3356, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 49.5187, 0.3356, 0.3390.



This preview shows how white text looks on a background with the Yxy color 49.5187, 0.3356, 0.3390.

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

49.5187, 0.3356, 0.3390

Protanopia

49.6296, 0.3257, 0.3404

Deuteranopia

49.3324, 0.3415, 0.3340



Tritanopia

49.5167, 0.3230, 0.3121

Trichromacy



Original Color

49.5187, 0.3356, 0.3390

Protanomaly

49.5683, 0.3293, 0.3404

Deuteranomaly

49.3041, 0.3387, 0.3352

Tritanomaly

49.4730, 0.3277, 0.3217

Monochromacy



Original Color

49.5187, 0.3356, 0.3390

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.8742, 0.3209, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5187, 0.3356, 0.3390 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(202, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(202, 183, 175)  
}
```

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(202, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.5187, 0.3356, 0.3390 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(202, 183, 175) }
```

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

```
.border{ border-color:rgb(202, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(202, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5187, 0.3356, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 183, 175) }
```

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

```
.background{ background-color: rgb(202,  
183, 175) }
```

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