

Converting Colors

$Yxy(50.2089, 0.3365, 0.3607)$

Have a look what the booklet for
Yxy(50.2089, 0.3365, 0.3607)
contains.

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Color

Yxy(49.9842, 0.3359, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	C1BCA4
RGB	193, 188, 164
RGB Percent	76%, 74%, 64%
CMY	0.2431, 0.2627, 0.3569
CMYK	0.00, 0.03, 0.15, 0.24
HSL	50°, 19%, 70%
HSV	50°, 15%, 76%
XYZ	46.6769, 49.9842, 42.2997
YIQ	186.7590, 10.6840, -6.4040

Conversions

Conversions Part 2

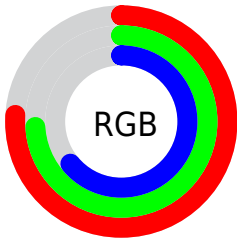
Format	Color
RYB	170, 193, 164
Decimal	12696740
CIELab	76.06, -2.33, 12.79
CIELCh	76, 13.000, 100.320
Yxy	49.9842, 0.3359, 0.3597
Android (android.graphics.Color)	4290886820 (0xFFC1BCA4)
YUV	186.7590, -11.2202, 5.4734
Hunter-Lab	70.6995, -5.8756, 14.0163

Details

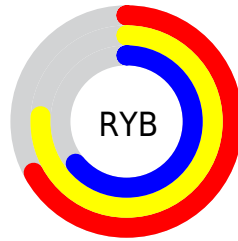
The Yxy color **49.9842, 0.3359, 0.3597** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1130, 0.2890, 0.2963**, and the grayscale version is **49.6122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1398, 0.3321, 0.3540**, and **23.9868, 0.3420, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **47.9348, 0.3524, 0.3808**, and if you desaturate by 10%, it is **52.1767, 0.3202, 0.3391**.

Distribution



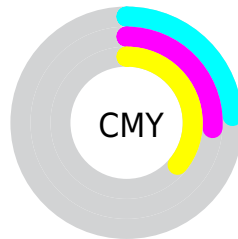
- Red (76%)
- Green (74%)
- Blue (64%)



- Red (67%)
- Yellow (76%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (24%)




- Cyan (24%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9842, 0.3359, 0.3597 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 49.9842, 0.3359, 0.3597 by changing the saturation by 10% instead.


 49.9842, 0.3359,
0.3597

 49.9842, 0.3359,
0.3597


386.6042, 0.3245,
0.3445

 35.4008, 0.3387,
0.3635


 90.1515, 0.3318,
0.3542

 23.9718, 0.3422,
0.3683


 116.5042, 0.3302,
0.3521

 15.3127, 0.3469,
0.3747


147.5488, 0.3289,
0.3503

 9.0391, 0.3532,
0.3835

183.6697, 0.3278,
0.3488

 4.7667, 0.3624,
0.3964

225.2513, 0.3268,
0.3475

 2.1111, 0.3767,
0.4171

272.6779, 0.3259,

 0.6708, 0.4640,

0.3464

0.5360

326.3341, 0.3252,
0.3454

0.0000, 0.0000,
0.0000

49.9842, 0.3359,
0.3597

49.9842, 0.3359,
0.3597

47.9348, 0.3524,
0.3808

52.1767, 0.3202,
0.3391

46.0169, 0.3695,
0.4018

54.5103, 0.3056,
0.3194

44.2273, 0.3866,
0.4220

56.9916, 0.2922,
0.3008

42.5603, 0.4032,
0.4403

59.6249, 0.2800,
0.2836

41.0095, 0.4185,
0.4558

62.0557, 0.2720,
0.2732

■ 39.5678, 0.4317,
0.4675

■ 63.6624, 0.2723,
0.2770

■ 38.2269, 0.4424,
0.4749

■ 65.3031, 0.2727,
0.2808

■ 36.9770, 0.4503,
0.4777

■ 66.9781, 0.2730,
0.2846

■ 36.3810, 0.4536,
0.4781

■ 68.6876, 0.2733,
0.2883

Harmonies

Analogous

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



49.9842, 0.3461, 0.3523



49.9842, 0.3359, 0.3597



49.9842, 0.3196, 0.3586

Triad

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



49.9842, 0.3359, 0.3597



49.9842, 0.2795, 0.3172



49.9842, 0.3231, 0.3103

Complementary

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



49.9842, 0.3359, 0.3597



40.1130, 0.2890, 0.2963

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.



49.9842, 0.3051, 0.3014



49.9842, 0.3359, 0.3597



49.9842, 0.2803, 0.3049

Square

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



49.9842, 0.3359, 0.3597



49.9842, 0.2873, 0.3334



49.9842, 0.2895, 0.2993



49.9842, 0.3386, 0.3239

Rectangle

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



49.9842, 0.3359, 0.3597



49.9842, 0.3076, 0.3530



49.9842, 0.2895, 0.2993



49.9842, 0.3171, 0.3067

Sweetspot

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



49.9864, 0.3359, 0.3597



93.4213, 0.3203, 0.3391



40.7588, 0.3355, 0.3221



19.9806, 0.3214, 0.3406



97.7402, 0.3127, 0.3290



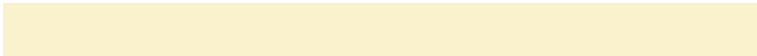
20.4902, 0.3127, 0.3290

Same Dimension

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



49.9864, 0.3359, 0.3597



88.2967, 0.3412, 0.3665



50.9927, 0.3272, 0.3667



11.4531, 0.3269, 0.3479



24.2977, 0.4530, 0.4785



1.1296, 0.4443, 0.4854

Inverse Universe

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



40.1130, 0.2890, 0.2963



67.2903, 0.2834, 0.2885



39.2987, 0.2967, 0.2902



10.0227, 0.2983, 0.3094



3.3780, 0.1547, 0.0767



0.2348, 0.1651, 0.1145

Previews

White Background



This preview shows how the Yxy color 49.9842, 0.3359, 0.3597 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 49.9842, 0.3359, 0.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

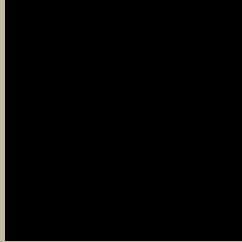
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

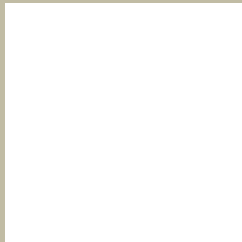
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9842, 0.3359, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 49.9842, 0.3359, 0.3597.



This preview shows how white text looks on a background with the Yxy color 49.9842, 0.3359, 0.3597.

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

49.9842, 0.3359, 0.3597

Protanopia

49.9208, 0.3395, 0.3595

Deuteranopia

50.0605, 0.3553, 0.3484



Tritanopia

49.9500, 0.3136, 0.3107

Trichromacy



Original Color

49.9842, 0.3359, 0.3597

Protanomaly

49.7871, 0.3386, 0.3596

Deuteranomaly

50.1194, 0.3474, 0.3525

Tritanomaly

49.9789, 0.3212, 0.3278

Monochromacy



Original Color

49.9842, 0.3359, 0.3597

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6141, 0.3206, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9842, 0.3359, 0.3597 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(193, 188, 164)` looks like.

```
.text, #text, p{  
    color:rgb(193, 188, 164)  
}
```

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(193, 188, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 188, 164) }
```

Border

The CSS property to change the border of an element to Yxy 49.9842, 0.3359, 0.3597 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(193, 188, 164) }
```

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

```
.border{ border-color:rgb(193, 188, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 188, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 188, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 188, 164);  
box-shadow:4px 4px 4px 4px rgb(193, 188,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9842, 0.3359, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 188, 164) }
```

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

```
.background{ background-color: rgb(193,  
188, 164) }
```

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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