

Converting Colors

$Y_{xy}(49.8070, 0.3436, 0.3722)$

Have a look what the booklet for
Yxy(49.8070, 0.3436, 0.3722)
contains.

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Color

Yxy(49.6705, 0.3431, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	C1BC9B
RGB	193, 188, 155
RGB Percent	76%, 74%, 61%
CMY	0.2433, 0.2627, 0.3921
CMYK	0.00, 0.03, 0.20, 0.24
HSL	52°, 23%, 68%
HSV	52°, 20%, 76%
XYZ	45.8857, 49.6705, 38.1824
YIQ	185.7330, 13.5730, -9.2030

Conversions

Conversions Part 2

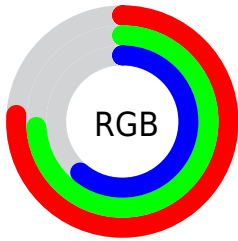
Format	Color
RYB	161, 193, 155
Decimal	12696731
CIELab	75.87, -3.74, 17.35
CIELCh	76, 17.752, 102.157
Yxy	49.6705, 0.3431, 0.3714
Android (android.graphics.Color)	4290886811 (0xFFC1BC9B)
YUV	185.7330, -15.1514, 6.3732
Hunter-Lab	70.4773, -7.1192, 17.2127

Details

The Yxy color **49.6705, 0.3431, 0.3714** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.9452, 0.2808, 0.2827**, and the grayscale version is **49.0252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6785, 0.3377, 0.3631**, and **23.8164, 0.3508, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **48.0094, 0.3595, 0.3935**, and if you desaturate by 10%, it is **51.4584, 0.3272, 0.3495**.

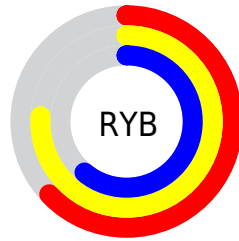
Distribution



Red (76%)

Green (74%)

Blue (61%)



Red (63%)

Yellow (76%)

Blue (61%)

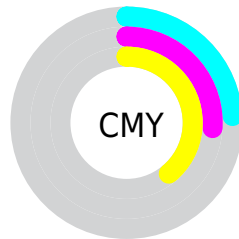


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (24%)



Cyan (24%)


Magenta (26%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6705, 0.3431, 0.3714 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 49.6705, 0.3431, 0.3714 by changing the saturation by 10% instead.

 49.6705, 0.3431,
0.3714

 49.6705, 0.3431,
0.3714


385.3760, 0.3282,
0.3503

 35.1517, 0.3467,
0.3766


 89.6865, 0.3378,
0.3638

 23.7797, 0.3513,
0.3833


 115.9524, 0.3357,
0.3609

 15.1703, 0.3572,
0.3921


146.9028, 0.3340,
0.3584

 8.9390, 0.3653,
0.4043

182.9221, 0.3325,
0.3563

 4.7014, 0.3767,
0.4220

224.3947, 0.3312,
0.3545

 2.0732, 0.3955,
0.4520

271.7049, 0.3301,

 0.6495, 0.4475,

0.3529

0.5525

325.2372, 0.3291,
0.3515

0.0000, 0.0000,
0.0000

49.6705, 0.3431,
0.3714

49.6705, 0.3431,
0.3714

48.0094, 0.3595,
0.3935

51.4584, 0.3272,
0.3495

46.4634, 0.3760,
0.4150

53.3712, 0.3122,
0.3283

45.0293, 0.3920,
0.4351

55.4153, 0.2982,
0.3082

43.7013, 0.4068,
0.4528

57.5951, 0.2854,
0.2894

42.4729, 0.4199,
0.4672

59.9145, 0.2736,
0.2720

■ 41.3364, 0.4306,
0.4775

■ 61.3182, 0.2718,
0.2714

■ 40.2833, 0.4386,
0.4833

■ 62.5173, 0.2721,
0.2743

■ 39.2971, 0.4442,
0.4853

■ 63.7357, 0.2723,
0.2771

■ 39.2651, 0.4444,
0.4854

■ 64.9736, 0.2726,
0.2800

Harmonies

Analogous

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



49.6705, 0.3579, 0.3615



49.6705, 0.3431, 0.3714



49.6705, 0.3204, 0.3695

Triad

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



49.6705, 0.3431, 0.3714



49.6705, 0.2674, 0.3113



49.6705, 0.3282, 0.3047

Complementary

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



49.6705, 0.3431, 0.3714



35.9452, 0.2808, 0.2827

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.



49.6705, 0.3036, 0.2922



49.6705, 0.3431, 0.3714



49.6705, 0.2692, 0.2952

Square

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



49.6705, 0.3431, 0.3714



49.6705, 0.2771, 0.3335



49.6705, 0.2821, 0.2886



49.6705, 0.3493, 0.3232

Rectangle

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



49.6705, 0.3431, 0.3714



49.6705, 0.3041, 0.3612



49.6705, 0.2821, 0.2886



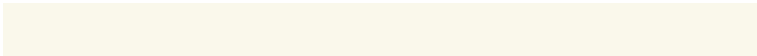
49.6705, 0.3201, 0.2997

Sweetspot

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



49.6727, 0.3431, 0.3714



93.3991, 0.3218, 0.3418



37.3189, 0.3460, 0.3224



19.9895, 0.3228, 0.3432



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.



49.6727, 0.3431, 0.3714



87.5712, 0.3508, 0.3818



50.0807, 0.3300, 0.3793



11.5270, 0.3268, 0.3489



26.2096, 0.4440, 0.4857



1.1961, 0.4377, 0.4906

Inverse Universe

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



35.9452, 0.2808, 0.2827



58.1049, 0.2723, 0.2700



35.7211, 0.2927, 0.2774



9.9550, 0.2983, 0.3083



3.0953, 0.1531, 0.0710



0.2045, 0.1617, 0.1022

Previews

White Background



This preview shows how the Yxy color 49.6705, 0.3431, 0.3714 looks on a white background.

Color Contrast Check

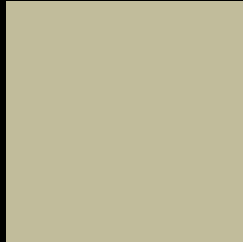
Large Text (above 18pt) WCAG AA × Fail

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 49.6705, 0.3431, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

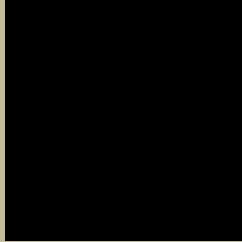
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

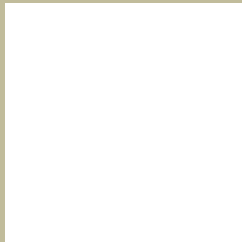
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6705, 0.3431, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 49.6705, 0.3431, 0.3714.



This preview shows how white text looks on a background with the Yxy color 49.6705, 0.3431, 0.3714.

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

49.6705, 0.3431, 0.3714

Protanopia

49.8795, 0.3486, 0.3709

Deuteranopia

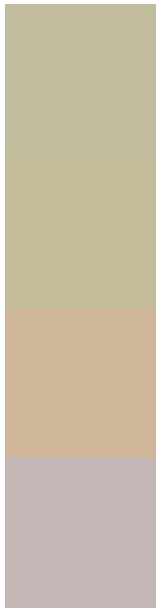
49.6758, 0.3644, 0.3568



Tritanopia

49.4929, 0.3144, 0.3106

Trichromacy



Original Color

49.6705, 0.3431, 0.3714

Protanomaly

49.6095, 0.3469, 0.3711

Deuteranomaly

49.6772, 0.3571, 0.3624

Tritanomaly

49.3941, 0.3245, 0.3315

Monochromacy



Original Color

49.6705, 0.3431, 0.3714

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4546, 0.3238, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6705, 0.3431, 0.3714 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(193, 188, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 188, 155) }
```

Border

The CSS property to change the border of an element to Yxy 49.6705, 0.3431, 0.3714 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, 155) }
```

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

```
.border{ border-color:rgb(193, 188, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 188, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 188, 155);  
box-shadow:4px 4px 4px 4px rgb(193, 188,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6705, 0.3431, 0.3714 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, 155) }
```

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

```
.background{ background-color: rgb(193,  
188, 155) }
```

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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