

Converting Colors

$Y_{xy}(49.2122, 0.3115, 0.2995)$

Have a look what the booklet for
Yxy(49.2122, 0.3115, 0.2995)
contains.

Yxy(49.4197, 0.3115, 0.3001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4197, 0.3115, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	C9B4CC
RGB	201, 180, 204
RGB Percent	79%, 71%, 80%
CMY	0.2120, 0.2940, 0.2000
CMYK	0.01, 0.12, 0.00, 0.20
HSL	292°, 19%, 75%
HSV	292°, 12%, 80%
XYZ	51.2970, 49.4197, 63.9607
YIQ	189.0150, 4.8120, 11.9160

Conversions

Conversions Part 2

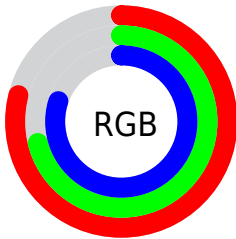
Format	Color
R _Y B	201, 180, 204
Decimal	13219020
CIE Lab	75.71, 11.78, -9.38
CIE LCh	76, 15.055, 321.479
Yxy	49.4197, 0.3115, 0.3001
Android (android.graphics.Color)	4291409100 (0xFFC9B4CC)
YUV	189.0150, 7.3876, 10.5108
Hunter-Lab	70.2991, 7.2273, -4.7348

Details

The Yxy color $49.4197, 0.3115, 0.3001$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.5578, 0.3136, 0.3592$, and the grayscale version is $50.8509, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $23.5838, 0.3110, 0.2919$ is the 20% darker color. If you saturate the color by 10%, you get $41.4246, 0.3101, 0.2746$, and if you desaturate by 10%, it is $58.6374, 0.3126, 0.3248$.

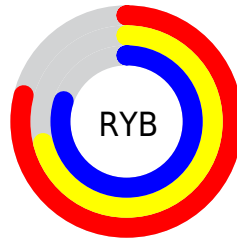
Distribution



Red (79%)

Green (71%)

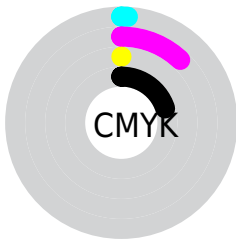
Blue (80%)



Red (79%)

Yellow (71%)

Blue (80%)

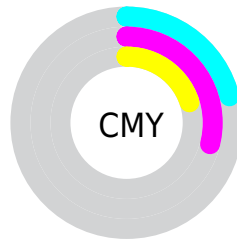


Cyan (1%)

Magenta (12%)

Yellow (0%)

Black (20%)



Cyan (21%)

Magenta (29%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4197, 0.3115, 0.3001 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 49.4197, 0.3115, 0.3001 by changing the saturation by 10% instead.


 49.4197, 0.3115,
0.3001

 49.4197, 0.3115,
0.3001


384.3923, 0.3122,
0.3141

 34.9525, 0.3113,
0.2967


 89.3145, 0.3118,
0.3051

 23.6263, 0.3110,
0.2925


115.5109, 0.3119,
0.3070

 15.0566, 0.3106,
0.2869


146.3858, 0.3120,
0.3086

 8.8592, 0.3099,
0.2794

182.3237, 0.3120,
0.3100

 4.6494, 0.3089,
0.2686

223.7088, 0.3121,
0.3112

 2.0431, 0.3069,
0.2520

270.9257, 0.3122,


 0.6323, 0.3048,


0.3123


0.2167


324.3587, 0.3122,
0.3133


 0.0000, 0.0000,
0.0000


 49.4197, 0.3115,
0.3001

 49.4197, 0.3115,
0.3001


 41.4246, 0.3101,
0.2746


 58.6374, 0.3126,
0.3248

 34.5929, 0.3084,
0.2489


 69.1208, 0.3133,
0.3482


 28.8700, 0.3063,
0.2238

 80.9189, 0.3139,
0.3700

 24.1947, 0.3038,
0.2004

 89.7773, 0.3146,
0.3837

 20.4994, 0.3010,
0.1796

 90.1646, 0.3163,
0.3834

■ 17.7090, 0.2980,
0.1624

■ 90.5581, 0.3179,
0.3832

■ 15.7371, 0.2948,
0.1494

■ 90.9578, 0.3195,
0.3829

■ 14.4806, 0.2915,
0.1409

■ 91.3638, 0.3212,
0.3826

■ 13.8298, 0.2888,
0.1365

■ 91.7761, 0.3229,
0.3824

Harmonies

Analogous

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



49.4197, 0.2918, 0.2945



49.4197, 0.3115, 0.3001



49.4197, 0.3321, 0.3127

Triad

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



49.4197, 0.3115, 0.3001



49.4197, 0.3482, 0.3602



49.4197, 0.2788, 0.3268

Complementary

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



49.4197, 0.3115, 0.3001



56.5578, 0.3136, 0.3592

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.



49.4197, 0.2931, 0.3460



49.4197, 0.3115, 0.3001



49.4197, 0.3331, 0.3656

Square

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



49.4197, 0.3115, 0.3001



49.4197, 0.3537, 0.3469



49.4197, 0.3129, 0.3604



49.4197, 0.2734, 0.3091

Rectangle

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



49.4197, 0.3115, 0.3001



49.4197, 0.3434, 0.3237



49.4197, 0.3129, 0.3604



49.4197, 0.2827, 0.3333

Sweetspot

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



49.4218, 0.3115, 0.3001



93.4186, 0.3123, 0.3192



48.0234, 0.2944, 0.3027



19.7387, 0.3123, 0.3174



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.



49.4218, 0.3115, 0.3001



78.4484, 0.3112, 0.2940



49.4386, 0.3211, 0.3107



11.3285, 0.3118, 0.3060



8.7331, 0.2893, 0.1367



0.4713, 0.2958, 0.1403

Inverse Universe

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



48.9111, 0.3311, 0.3253



77.4530, 0.3355, 0.3245



56.5574, 0.3052, 0.3481



11.2365, 0.3270, 0.3261



8.1345, 0.6226, 0.3203



0.4275, 0.5796, 0.2967

Previews

White Background



This preview shows how the Yxy color 49.4197, 0.3115, 0.3001 looks on a white background.

Color Contrast Check

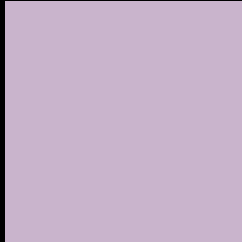
Large Text (above 18pt) WCAG AA × Fail

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 49.4197, 0.3115, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

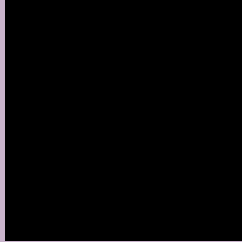
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4197, 0.3115, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 49.4197, 0.3115, 0.3001.



This preview shows how white text looks on a background with the Yxy color 49.4197, 0.3115, 0.3001.

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

49.4197, 0.3115, 0.3001

Protanopia

49.3933, 0.2954, 0.3016

Deuteranopia

49.2777, 0.3082, 0.3010



Tritanopia

49.3126, 0.3170, 0.3107

Trichromacy



Original Color

49.4197, 0.3115, 0.3001

Protanomaly

49.2704, 0.3009, 0.3006

Deuteranomaly

49.4131, 0.3090, 0.3011

Tritanomaly

49.4506, 0.3146, 0.3071

Monochromacy



Original Color

49.4197, 0.3115, 0.3001

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3503, 0.3124, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4197, 0.3115, 0.3001 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(201, 180, 204)` looks like.

```
.text, #text, p{  
    color:rgb(201, 180, 204)  
}
```

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(201, 180, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 180, 204) }
```

Border

The CSS property to change the border of an element to Yxy 49.4197, 0.3115, 0.3001 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(201, 180, 204) }
```

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

```
.border{ border-color:rgb(201, 180, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 180, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 180, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 180, 204);  
box-shadow:4px 4px 4px 4px rgb(201, 180,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4197, 0.3115, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 180, 204) }
```

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

```
.background{ background-color: rgb(201,  
180, 204) }
```

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