

Converting Colors

$Y_{xy}(42.1321, 0.3274, 0.2988)$

Have a look what the booklet for
Yxy(42.1321, 0.3274, 0.2988)
contains.

Yxy(42.1997, 0.3271, 0.2991)	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(42.1997, 0.3271, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	C9A3BB
RGB	201, 163, 187
RGB Percent	79%, 64%, 73%
CMY	0.2119, 0.3607, 0.2666
CMYK	0.00, 0.19, 0.07, 0.21
HSL	322°, 26%, 71%
HSV	322°, 19%, 79%
XYZ	46.1502, 42.1997, 52.7390
YIQ	177.0980, 14.9440, 15.5200

Conversions

Conversions Part 2

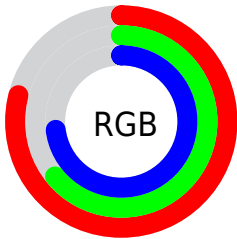
Format	Color
R _Y B	201, 163, 187
Decimal	13214651
CIE Lab	71.01, 17.95, -7.05
CIE LCh	71, 19.290, 338.552
Yxy	42.1997, 0.3271, 0.2991
Android (android.graphics.Color)	4291404731 (0xFFC9A3BB)
YUV	177.0980, 4.8817, 20.9621
Hunter-Lab	64.9613, 13.1288, -2.6619

Details

The Yxy color **42.1997, 0.3271, 0.2991** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.7207, 0.3007, 0.3609**, and the grayscale version is **43.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8739, 0.3224, 0.3044**, and **19.2932, 0.3315, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **35.3139, 0.3368, 0.2825**, and if you desaturate by 10%, it is **50.2396, 0.3189, 0.3153**.

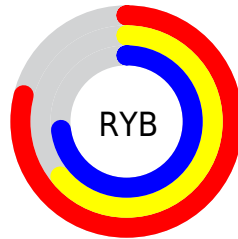
Distribution



Red (79%)

Green (64%)

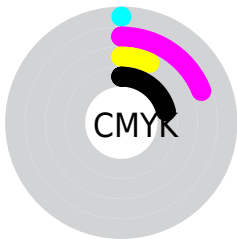
Blue (73%)



Red (79%)

Yellow (64%)

Blue (73%)

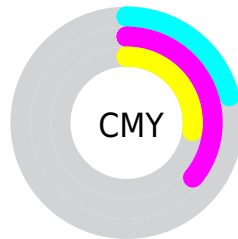


Cyan (0%)

Magenta (19%)

Yellow (7%)

Black (21%)



Cyan (21%)


Magenta (36%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1997, 0.3271, 0.2991 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 42.1997, 0.3271, 0.2991 by changing the saturation by 10% instead.


 42.1997, 0.3271,
0.2991


 42.1997, 0.3271,
0.2991


355.3101, 0.3200,
0.3139

 29.2577, 0.3289,
0.2954


 78.5018, 0.3245,
0.3045

 19.2758, 0.3311,
0.2907


 102.6306, 0.3235,
0.3065

 11.8698, 0.3341,
0.2845

131.2572, 0.3227,
0.3082

 6.6551, 0.3383,
0.2759

164.7660, 0.3220,
0.3097

 3.2473, 0.3444,
0.2631

203.5412, 0.3214,
0.3110

 1.2622, 0.3544,
0.2425

247.9674, 0.3209,

 0.1116, 0.4284,

0.3121

0.0879

298.4289, 0.3204,
0.3131

0.0000, 0.0000,
0.0000

42.1997, 0.3271,
0.2991

42.1997, 0.3271,
0.2991

35.3139, 0.3368,
0.2825

50.2396, 0.3189,
0.3153

29.5229, 0.3480,
0.2661

59.4781, 0.3120,
0.3307

24.7706, 0.3608,
0.2505

69.9643, 0.3062,
0.3451

20.9937, 0.3752,
0.2367

81.7427, 0.3014,
0.3586

18.1216, 0.3908,
0.2259

89.3126, 0.2974,
0.3624

■ 16.0747, 0.4072,
0.2192

■ 89.7219, 0.2934,
0.3542

■ 14.7587, 0.4237,
0.2173

■ 90.1489, 0.2895,
0.3462

■ 14.0191, 0.4399,
0.2203

■ 90.5937, 0.2856,
0.3383

■ 13.9490, 0.4417,
0.2207

■ 91.0566, 0.2818,
0.3305

Harmonies

Analogous

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



42.1997, 0.2988, 0.2860



42.1997, 0.3271, 0.2991



42.1997, 0.3523, 0.3194

Triad

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



42.1997, 0.3271, 0.2991



42.1997, 0.3501, 0.3769



42.1997, 0.2616, 0.3113

Complementary

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



42.1997, 0.3271, 0.2991



52.7207, 0.3007, 0.3609

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.



42.1997, 0.2741, 0.3372



42.1997, 0.3271, 0.2991



42.1997, 0.3248, 0.3768

Square

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



42.1997, 0.3271, 0.2991



42.1997, 0.3658, 0.3639



42.1997, 0.2969, 0.3620



42.1997, 0.2620, 0.2919

Rectangle

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



42.1997, 0.3271, 0.2991



42.1997, 0.3635, 0.3350



42.1997, 0.2969, 0.3620



42.1997, 0.2644, 0.3195

Sweetspot

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



42.2016, 0.3271, 0.2991



90.2668, 0.3168, 0.3197



39.7539, 0.2936, 0.2795



19.1040, 0.3173, 0.3186



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.



42.2016, 0.3271, 0.2991



66.8068, 0.3312, 0.2918



41.4427, 0.3445, 0.3226



10.7479, 0.3193, 0.3145



8.7915, 0.4395, 0.2195



0.4299, 0.4086, 0.2024

Inverse Universe

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



42.2016, 0.3271, 0.2991



66.8068, 0.3312, 0.2918



53.5294, 0.2879, 0.3355



10.7479, 0.3193, 0.3145



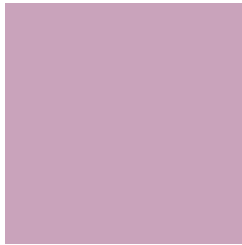
8.7915, 0.4395, 0.2195



0.4299, 0.4086, 0.2024

Previews

White Background



This preview shows how the Yxy color 42.1997, 0.3271, 0.2991 looks on a white background.

Color Contrast Check

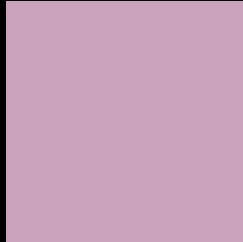
Large Text (above 18pt) WCAG AA × Fail

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 42.1997, 0.3271, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

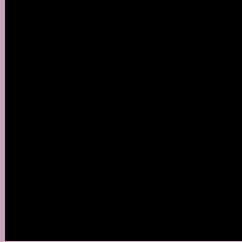
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1997, 0.3271, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 42.1997, 0.3271, 0.2991.



This preview shows how white text looks on a background with the Yxy color 42.1997, 0.3271, 0.2991.

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

42.1997, 0.3271, 0.2991

Protanopia

42.3953, 0.2950, 0.3024

Deuteranopia

42.2354, 0.3129, 0.3069



Tritanopia

42.3640, 0.3350, 0.3139

Trichromacy



Original Color

42.1997, 0.3271, 0.2991

Protanomaly

42.0826, 0.3061, 0.3003

Deuteranomaly

42.2590, 0.3184, 0.3047

Tritanomaly

42.1665, 0.3315, 0.3076

Monochromacy



Original Color

42.1997, 0.3271, 0.2991

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.2803, 0.3177, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1997, 0.3271, 0.2991 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, 163, 187)` looks like.

```
.text, #text, p{  
    color:rgb(201, 163, 187)  
}
```

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, 163, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 163, 187) }
```

Border

The CSS property to change the border of an element to Yxy 42.1997, 0.3271, 0.2991 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, 163, 187) }
```

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

```
.border{ border-color:rgb(201, 163, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 163, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 163, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 163, 187);  
box-shadow:4px 4px 4px 4px rgb(201, 163,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1997, 0.3271, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 163, 187) }
```

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

```
.background{ background-color: rgb(201,  
163, 187) }
```

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