

Converting Colors

$Y_{xy}(41.1828, 0.2906, 0.2370)$

Have a look what the booklet for
Yxy(41.1828, 0.2906, 0.2370)
contains.

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Color

Yxy(41.3622, 0.2907, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	CB99E9
RGB	203, 153, 233
RGB Percent	80%, 60%, 91%
CMY	0.2039, 0.4000, 0.0861
CMYK	0.13, 0.34, 0.00, 0.09
HSL	277°, 65%, 76%
HSV	277°, 34%, 91%
XYZ	50.7341, 41.3622, 82.4277
YIQ	177.0700, 4.1200, 35.4800

Conversions

Conversions Part 2

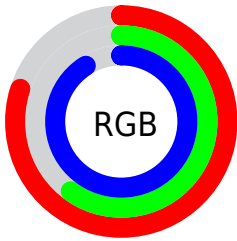
Format	Color
R _Y B	203, 153, 233
Decimal	13343209
CIE Lab	70.43, 33.05, -33.26
CIE LCh	70, 46.894, 314.820
Yxy	41.3622, 0.2907, 0.2370
Android (android.graphics.Color)	4291533289 (0xFFCB99E9)
YUV	177.0700, 27.5735, 22.7406
Hunter-Lab	64.3135, 28.2625, -30.9700

Details

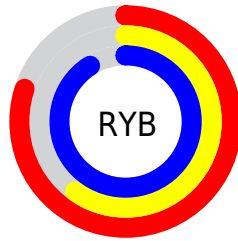
The Yxy color $41.3622, 0.2907, 0.2370$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $70.6680, 0.3279, 0.4257$, and the grayscale version is $43.8575, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $18.7776, 0.2835, 0.2146$ is the 20% darker color. If you saturate the color by 10%, you get $33.2735, 0.2821, 0.2087$, and if you desaturate by 10%, it is $51.0131, 0.2983, 0.2652$.

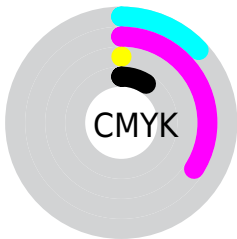
Distribution



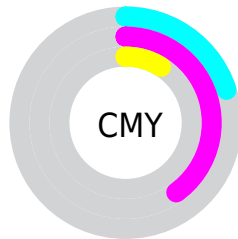
- Red (80%)
- Green (60%)
- Blue (91%)



- Red (80%)
- Yellow (60%)
- Blue (91%)



- Cyan (13%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)




- Cyan (20%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3622, 0.2907, 0.2370 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 41.3622, 0.2907, 0.2370 by changing the saturation by 10% instead.


 41.3622, 0.2907,
0.2370


 41.3622, 0.2907,
0.2370


351.8322, 0.3028,
0.2804

 28.6022, 0.2874,
0.2270


 77.2334, 0.2953,
0.2522

 18.7801, 0.2831,
0.2146


 101.1134, 0.2970,
0.2580

 11.5115, 0.2773,
0.1990


129.4689, 0.2983,
0.2631

 6.4120, 0.2689,
0.1788

162.6843, 0.2995,
0.2674

 3.0972, 0.2561,
0.1519

201.1439, 0.3005,
0.2713

 1.1827, 0.2352,
0.1152

245.2321, 0.3014,

 0.0475, 0.2089,

0.2747

0.0116

295.3334, 0.3021,
0.2777

0.0000, 0.0000,
0.0000

41.3622, 0.2907,
0.2370

41.3622, 0.2907,
0.2370

33.2735, 0.2821,
0.2087

51.0131, 0.2983,
0.2652

26.6535, 0.2727,
0.1815

62.3022, 0.3049,
0.2925

21.4068, 0.2627,
0.1566

75.3066, 0.3106,
0.3183

17.4240, 0.2524,
0.1354

90.0969, 0.3153,
0.3423

14.5783, 0.2423,
0.1188

97.1284, 0.3203,
0.3506

■ 12.7154, 0.2327,
0.1074

■ 98.6653, 0.3256,
0.3502

■ 11.9620, 0.2275,
0.1027

Harmonies

Analogous

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



41.3622, 0.2343, 0.2242



41.3622, 0.2907, 0.2370



41.3622, 0.3603, 0.2687

Triad

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



41.3622, 0.2907, 0.2370



41.3622, 0.4338, 0.4141



41.3622, 0.2134, 0.3314

Complementary

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



41.3622, 0.2907, 0.2370



70.6680, 0.3279, 0.4257

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.



41.3622, 0.2593, 0.4023



41.3622, 0.2907, 0.2370



41.3622, 0.3866, 0.4488

Square

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



41.3622, 0.2907, 0.2370



41.3622, 0.4481, 0.3648



41.3622, 0.3226, 0.4485



41.3622, 0.1938, 0.2700

Rectangle

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



41.3622, 0.2907, 0.2370



41.3622, 0.4033, 0.2977



41.3622, 0.3226, 0.4485



41.3622, 0.2260, 0.3555

Sweetspot

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



41.3639, 0.2907, 0.2370



83.0265, 0.3075, 0.3039



46.8038, 0.2560, 0.2667



17.2981, 0.3067, 0.3002



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.



41.3639, 0.2907, 0.2370



43.7425, 0.2849, 0.2176



45.4757, 0.3247, 0.2528



15.0152, 0.3078, 0.3054



6.8581, 0.2289, 0.1034



0.5932, 0.2415, 0.1104

Inverse Universe

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



43.5298, 0.3632, 0.2952



46.9197, 0.3778, 0.2883



67.6910, 0.3027, 0.4195



15.1475, 0.3234, 0.3202



10.2461, 0.5475, 0.2790



0.8227, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 41.3622, 0.2907, 0.2370 looks on a white background.

Color Contrast Check

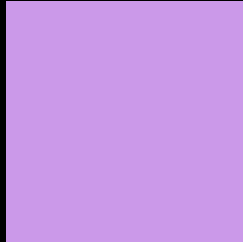
Large Text (above 18pt) WCAG AA × Fail

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 41.3622, 0.2907, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

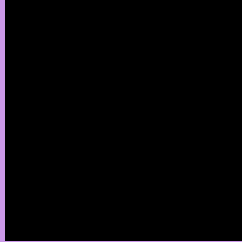
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3622, 0.2907, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 41.3622, 0.2907, 0.2370.

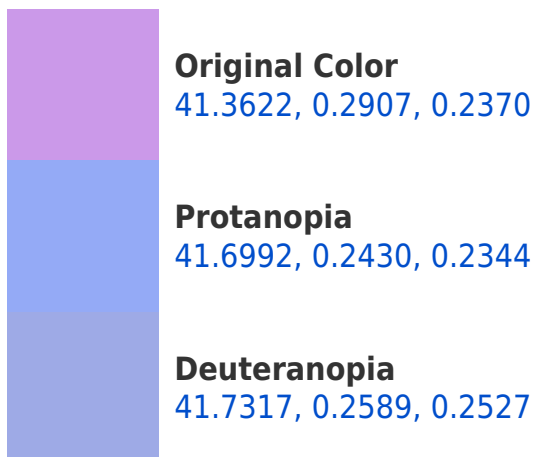


This preview shows how white text looks on a background with the Yxy color 41.3622, 0.2907, 0.2370.

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





Tritanopia

41.1946, 0.3295, 0.3123

Trichromacy



Original Color

41.3622, 0.2907, 0.2370

Protanomaly

41.2266, 0.2584, 0.2352

Deuteranomaly

41.3191, 0.2693, 0.2464

Tritanomaly

41.0431, 0.3149, 0.2829

Monochromacy



Original Color

41.3622, 0.2907, 0.2370

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.4756, 0.3047, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3622, 0.2907, 0.2370 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(203, 153, 233)` looks like.

```
.text, #text, p{  
    color:rgb(203, 153, 233)  
}
```

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(203, 153, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 153, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.3622, 0.2907, 0.2370 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(203, 153, 233) }
```

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

```
.border{ border-color:rgb(203, 153, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 153, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 153, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 153, 233); box-shadow:4px 4px 4px 4px rgb(203, 153, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3622, 0.2907, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 153, 233) }
```

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

```
.background{ background-color: rgb(203,  
153, 233) }
```

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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