

Converting Colors

$Y_{xy}(49.6022, 0.2793, 0.2372)$

Have a look what the booklet for
Yxy(49.6022, 0.2793, 0.2372)
contains.

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Color

Yxy(49.6112, 0.2791, 0.2373)

Conversions

Conversions Part 1

Format	Color
Hex	CFABFF
RGB	207, 171, 255
RGB Percent	81%, 67%, 100%
CMY	0.1881, 0.3294, 0.0000
CMYK	0.19, 0.33, 0.00, 0.00
HSL	266°, 100%, 84%
HSV	266°, 33%, 100%
XYZ	58.3501, 49.6112, 101.1040
YIQ	191.3400, -5.5080, 33.7560

Conversions

Conversions Part 2

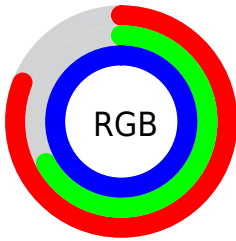
Format	Color
R _Y B	207, 171, 255
Decimal	13609983
CIE Lab	75.83, 29.13, -36.79
CIE LCh	76, 46.928, 308.372
Yxy	49.6112, 0.2791, 0.2373
Android (android.graphics.Color)	4291800063 (0xFFCFABFF)
YUV	191.3400, 31.3844, 13.7338
Hunter-Lab	70.4352, 24.6118, -35.8013

Details

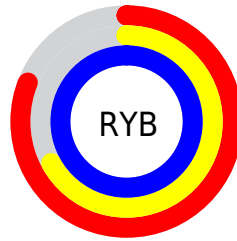
The Yxy color $49.6112, 0.2791, 0.2373$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $89.5113, 0.3382, 0.4186$, and the grayscale version is $52.1272, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $23.6134, 0.2689, 0.2157$ is the 20% darker color. If you saturate the color by 10%, you get $38.8900, 0.2659, 0.2063$, and if you desaturate by 10%, it is $62.3879, 0.2910, 0.2674$.

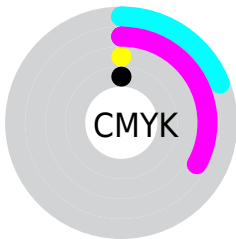
Distribution



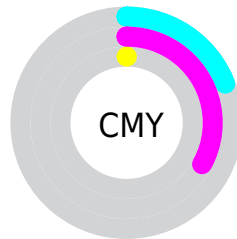
- Red (81%)
- Green (67%)
- Blue (100%)



- Red (81%)
- Yellow (67%)
- Blue (100%)



- Cyan (19%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6112, 0.2791, 0.2373 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 49.6112, 0.2791, 0.2373 by changing the saturation by 10% instead.

 49.6112, 0.2791,
0.2373

 49.6112, 0.2791,
0.2373

385.1435, 0.2963,
0.2794

 35.1046, 0.2748,
0.2279


 89.5985, 0.2853,
0.2518

 23.7434, 0.2694,
0.2164


115.8480, 0.2877,
0.2574

 15.1434, 0.2622,
0.2021


146.7806, 0.2897,
0.2623

 8.9201, 0.2525,
0.1840

182.7807, 0.2914,
0.2666

 4.6891, 0.2387,
0.1603

224.2326, 0.2928,
0.2704

 2.0660, 0.2180,
0.1287

271.5208, 0.2941,

 0.6454, 0.1853,

0.2737

0.0840

325.0296, 0.2953,
0.2767

0.0000, 0.0967,
0.0000

0.0000, 0.0000,
0.0000

49.6112, 0.2791,
0.2373

49.6112, 0.2791,
0.2373

38.8900, 0.2659,
0.2063

62.3879, 0.2910,
0.2674

30.1058, 0.2516,
0.1757

77.3177, 0.3014,
0.2957

23.1370, 0.2366,
0.1469

94.4990, 0.3103,
0.3218

17.8452, 0.2217,
0.1216

99.9997, 0.3127,
0.3290

■ 14.0709, 0.2077,
0.1015

■ 11.6216, 0.1951,
0.0873

■ 10.4958, 0.1874,
0.0806

Harmonies

Analogous

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



49.6112, 0.2297, 0.2296



49.6112, 0.2791, 0.2373



49.6112, 0.3435, 0.2641

Triad

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



49.6112, 0.2791, 0.2373



49.6112, 0.4332, 0.4009



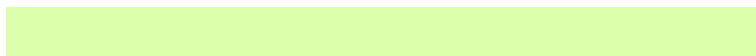
49.6112, 0.2262, 0.3461

Complementary

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



49.6112, 0.2791, 0.2373



89.5113, 0.3382, 0.4186

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.



49.6112, 0.2745, 0.4100



49.6112, 0.2791, 0.2373



49.6112, 0.3945, 0.4374

Square

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



49.6112, 0.2791, 0.2373



49.6112, 0.4381, 0.3530



49.6112, 0.3361, 0.4448



49.6112, 0.2017, 0.2844

Rectangle

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



49.6112, 0.2791, 0.2373



49.6112, 0.3859, 0.2901



49.6112, 0.3361, 0.4448



49.6112, 0.2400, 0.3687

Sweetspot

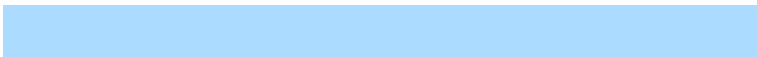
The Sweet Spot groups the original color and five complimentary colors.



49.6132, 0.2791, 0.2373



82.1380, 0.3042, 0.3036



67.0609, 0.2607, 0.2892



17.0831, 0.3028, 0.2998



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.



49.6132, 0.2791, 0.2373



41.8400, 0.2699, 0.2155



56.2991, 0.3110, 0.2455



17.7587, 0.3046, 0.3049



5.5685, 0.1891, 0.0815



0.6051, 0.2016, 0.0884

Inverse Universe

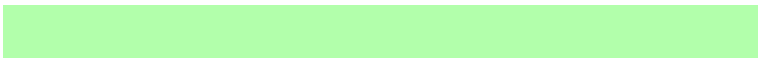
The Inverse Universe completely reimagines the original color for something new.



55.4953, 0.3461, 0.2800



48.7578, 0.3559, 0.2694



83.9218, 0.3122, 0.4263



18.1609, 0.3204, 0.3155



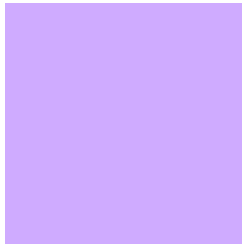
12.2174, 0.4664, 0.2343



1.2115, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 49.6112, 0.2791, 0.2373 looks on a white background.

Color Contrast Check

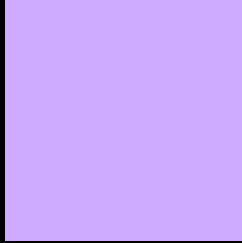
Large Text (above 18pt) WCAG AA × Fail

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 49.6112, 0.2791, 0.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

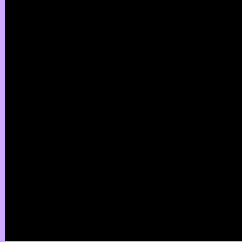
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6112, 0.2791, 0.2373

Background



This preview shows how black text looks on a background with the Yxy color 49.6112, 0.2791, 0.2373.



This preview shows how white text looks on a background with the Yxy color 49.6112, 0.2791, 0.2373.

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

49.6112, 0.2791, 0.2373

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.7443, 0.2556, 0.2489



Tritanopia

49.7685, 0.3135, 0.3118

Trichromacy



Original Color

49.6112, 0.2791, 0.2373

Protanomaly

49.6863, 0.2613, 0.2430

Deuteranomaly

49.3993, 0.2637, 0.2440

Tritanomaly

49.7197, 0.3008, 0.2829

Monochromacy



Original Color

49.6112, 0.2791, 0.2373

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.0063, 0.3006, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6112, 0.2791, 0.2373 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(207, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 171, 255)  
}
```

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(207, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6112, 0.2791, 0.2373 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(207, 171, 255) }
```

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

```
.border{ border-color:rgb(207, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6112, 0.2791, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 171, 255) }
```

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

```
.background{ background-color: rgb(207,  
171, 255) }
```

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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