

Converting Colors

$Y_{xy}(45.0128, 0.3024, 0.2706)$

Have a look what the booklet for
Yxy(45.0128, 0.3024, 0.2706)
contains.

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Color

Yxy(45.0128, 0.3024, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	C9A7D8
RGB	201, 167, 216
RGB Percent	79%, 65%, 85%
CMY	0.2118, 0.3451, 0.1528
CMYK	0.07, 0.23, 0.00, 0.15
HSL	282°, 39%, 75%
HSV	282°, 23%, 85%
XYZ	50.3026, 45.0128, 71.0291
YIQ	182.7520, 4.5350, 22.4470

Conversions

Conversions Part 2

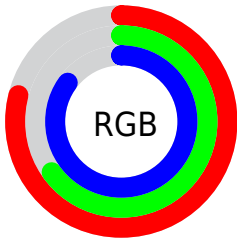
Format	Color
R _Y B	201, 167, 216
Decimal	13215704
CIE Lab	72.90, 21.25, -20.18
CIE LCh	73, 29.304, 316.479
Yxy	45.0128, 0.3024, 0.2706
Android (android.graphics.Color)	4291405784 (0xFFC9A7D8)
YUV	182.7520, 16.3913, 16.0035
Hunter-Lab	67.0916, 16.4218, -15.8055

Details

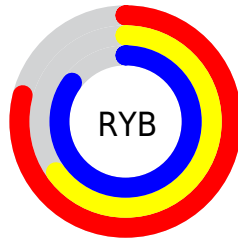
The Yxy color $45.0128, 0.3024, 0.2706$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $61.8737, 0.3207, 0.3903$, and the grayscale version is $47.1190, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $21.0377, 0.2995, 0.2562$ is the 20% darker color. If you saturate the color by 10%, you get $36.8500, 0.2965, 0.2432$, and if you desaturate by 10%, it is $54.5413, 0.3074, 0.2972$.

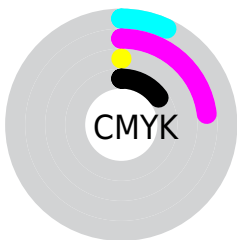
Distribution



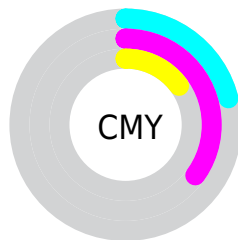
- Red (79%)
- Green (65%)
- Blue (85%)



- Red (79%)
- Yellow (65%)
- Blue (85%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (21%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0128, 0.3024, 0.2706 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 45.0128, 0.3024, 0.2706 by changing the saturation by 10% instead.


 45.0128, 0.3024,
0.2706


 45.0128, 0.3024,
0.2706

366.8254, 0.3080,
0.2987

 31.4675, 0.3009,
0.2639


 82.7396, 0.3045,
0.2805

 20.9551, 0.2989,
0.2556


 107.6899, 0.3053,
0.2844

 13.0912, 0.2961,
0.2448


137.2107, 0.3059,
0.2876

 7.4914, 0.2921,
0.2304


171.6864, 0.3065,
0.2904

 3.7713, 0.2858,
0.2102

211.5013, 0.3070,
0.2929

 1.5464, 0.2750,
0.1804

257.0398, 0.3074,

 0.3211, 0.2620,

0.2950

0.1021

308.6864, 0.3077,
0.2970

0.0000, 0.0000,
0.0000

45.0128, 0.3024,
0.2706

45.0128, 0.3024,
0.2706

36.8500, 0.2965,
0.2432

54.5413, 0.3074,
0.2972

29.9811, 0.2898,
0.2159

65.4914, 0.3117,
0.3225

24.3362, 0.2824,
0.1896

77.9226, 0.3152,
0.3460

19.8364, 0.2744,
0.1656

91.8895, 0.3181,
0.3677

16.3934, 0.2661,
0.1450

93.9963, 0.3222,
0.3687

■ 13.9056, 0.2577,
0.1288

■ 95.1405, 0.3265,
0.3682

■ 12.2509, 0.2496,
0.1175

■ 96.3272, 0.3308,
0.3677

■ 11.4191, 0.2439,
0.1117

■ 97.5568, 0.3351,
0.3671

■ 97.7399, 0.3357,
0.3670

Harmonies

Analogous

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



45.0128, 0.2655, 0.2619



45.0128, 0.3024, 0.2706



45.0128, 0.3446, 0.2924

Triad

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



45.0128, 0.3024, 0.2706



45.0128, 0.3870, 0.3861



45.0128, 0.2494, 0.3298

Complementary

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



45.0128, 0.3024, 0.2706



61.8737, 0.3207, 0.3903

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.



45.0128, 0.2789, 0.3699



45.0128, 0.3024, 0.2706



45.0128, 0.3584, 0.4027

Square

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



45.0128, 0.3024, 0.2706



45.0128, 0.3953, 0.3566



45.0128, 0.3186, 0.3978



45.0128, 0.2366, 0.2928

Rectangle

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



45.0128, 0.3024, 0.2706



45.0128, 0.3696, 0.3121



45.0128, 0.3186, 0.3978



45.0128, 0.2576, 0.3436

Sweetspot

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



45.0147, 0.3024, 0.2706



88.1111, 0.3099, 0.3116



46.8497, 0.2760, 0.2862



18.6507, 0.3097, 0.3101



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.



45.0147, 0.3024, 0.2706



59.8715, 0.2998, 0.2582



46.7510, 0.3229, 0.2826



12.4326, 0.3089, 0.3057



6.8154, 0.2450, 0.1123



0.4537, 0.2585, 0.1198

Inverse Universe

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



45.6231, 0.3450, 0.3111



60.9597, 0.3535, 0.3073



60.4822, 0.3040, 0.3803



12.4829, 0.3243, 0.3219



8.8929, 0.5724, 0.2927



0.5510, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 45.0128, 0.3024, 0.2706 looks on a white background.

Color Contrast Check

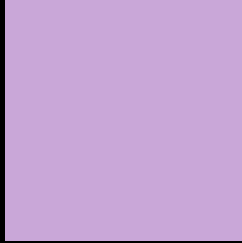
Large Text (above 18pt) WCAG AA × Fail

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 45.0128, 0.3024, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

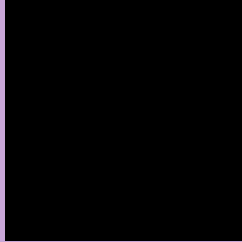
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0128, 0.3024, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 45.0128, 0.3024, 0.2706.



This preview shows how white text looks on a background with the Yxy color 45.0128, 0.3024, 0.2706.

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

45.0128, 0.3024, 0.2706

Protanopia

45.0968, 0.2715, 0.2710

Deuteranopia

45.0987, 0.2860, 0.2800



Tritanopia

44.7860, 0.3225, 0.3114

Trichromacy



Original Color

45.0128, 0.3024, 0.2706

Protanomaly

44.7577, 0.2824, 0.2707

Deuteranomaly

44.9761, 0.2916, 0.2760

Tritanomaly

44.7864, 0.3152, 0.2957

Monochromacy



Original Color

45.0128, 0.3024, 0.2706

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3316, 0.3095, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0128, 0.3024, 0.2706 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, 167, 216)` looks like.

```
.text, #text, p{  
    color:rgb(201, 167, 216)  
}
```

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, 167, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 167, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.0128, 0.3024, 0.2706 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, 167, 216) }
```

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

```
.border{ border-color:rgb(201, 167, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 167, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 167, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 167, 216);  
box-shadow:4px 4px 4px 4px rgb(201, 167,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0128, 0.3024, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 167, 216) }
```

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

```
.background{ background-color: rgb(201,  
167, 216) }
```

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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