

Converting Colors

$Y_{xy}(45.8979, 0.3010, 0.2933)$

Have a look what the booklet for
Yxy(45.8979, 0.3010, 0.2933)
contains.

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Color

Yxy(45.7109, 0.3008, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	BCAFCC
RGB	188, 175, 204
RGB Percent	74%, 69%, 80%
CMY	0.2626, 0.3138, 0.1999
CMYK	0.08, 0.14, 0.00, 0.20
HSL	267°, 22%, 74%
HSV	267°, 14%, 80%
XYZ	46.9759, 45.7109, 63.4830
YIQ	182.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

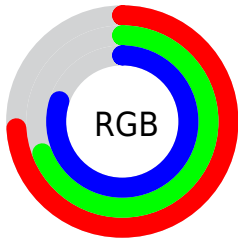
Format	Color
R _Y B	188, 175, 204
Decimal	12365772
CIE Lab	73.36, 10.16, -13.02
CIE LCh	73, 16.512, 307.968
Yxy	45.7109, 0.3008, 0.2927
Android (android.graphics.Color)	4290555852 (0xFFBCAFCC)
YUV	182.1930, 10.7509, 5.0927
Hunter-Lab	67.6098, 5.7061, -8.3441

Details

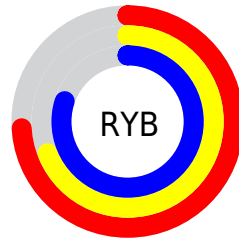
The Yxy color $45.7109, 0.3008, 0.2927$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $57.3604, 0.3234, 0.3651$, and the grayscale version is $46.8342, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.6049, 0.3065, 0.3053$, and $21.5188, 0.2974, 0.2835$ is the 20% darker color. If you saturate the color by 10%, you get $36.9909, 0.2908, 0.2647$, and if you desaturate by 10%, it is $55.7456, 0.3095, 0.3187$.

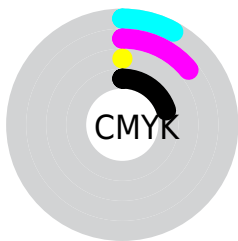
Distribution



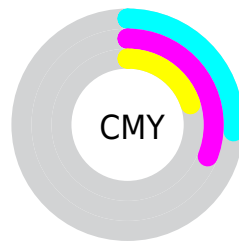
- Red (74%)
- Green (69%)
- Blue (80%)



- Red (74%)
- Yellow (69%)
- Blue (80%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7109, 0.3008, 0.2927 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 45.7109, 0.3008, 0.2927 by changing the saturation by 10% instead.


 45.7109, 0.3008,
0.2927

 45.7109, 0.3008,
0.2927

369.6451, 0.3069,
0.3105

 32.0177, 0.2992,
0.2884


 83.7862, 0.3030,
0.2991

 21.3751, 0.2972,
0.2829

108.9371, 0.3039,
0.3015

 13.3984, 0.2945,
0.2757


138.6760, 0.3046,
0.3036

 7.7035, 0.2906,
0.2658

173.3874, 0.3052,
0.3053

 3.9058, 0.2847,
0.2516

213.4556, 0.3057,
0.3069

 1.6210, 0.2747,
0.2293

259.2650, 0.3062,

 0.3717, 0.2578,

0.3082

0.1594

311.2001, 0.3066,
0.3094

0.0000, 0.0000,
0.0000

45.7109, 0.3008,
0.2927

45.7109, 0.3008,
0.2927

36.9909, 0.2908,
0.2647

55.7456, 0.3095,
0.3187

29.5235, 0.2794,
0.2351

67.1418, 0.3168,
0.3424

23.2505, 0.2667,
0.2047

79.9512, 0.3230,
0.3638

18.1063, 0.2530,
0.1749

93.1978, 0.3284,
0.3814

14.0190, 0.2387,
0.1469

95.1483, 0.3358,
0.3802

■ 10.9081, 0.2244,
0.1224

■ 97.1404, 0.3430,
0.3790

■ 8.6808, 0.2108,
0.1029

■ 7.2249, 0.1986,
0.0892

■ 6.6202, 0.1922,
0.0833

Harmonies

Analogous

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



45.7109, 0.2812, 0.2906



45.7109, 0.3008, 0.2927



45.7109, 0.3243, 0.3036

Triad

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



45.7109, 0.3008, 0.2927



45.7109, 0.3570, 0.3581



45.7109, 0.2807, 0.3364

Complementary

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



45.7109, 0.3008, 0.2927



57.3604, 0.3234, 0.3651

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.



45.7109, 0.3001, 0.3566



45.7109, 0.3008, 0.2927



45.7109, 0.3444, 0.3688

Square

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



45.7109, 0.3008, 0.2927



45.7109, 0.3575, 0.3404



45.7109, 0.3234, 0.3686



45.7109, 0.2699, 0.3149

Rectangle

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



45.7109, 0.3008, 0.2927



45.7109, 0.3391, 0.3145



45.7109, 0.3234, 0.3686



45.7109, 0.2864, 0.3437

Sweetspot

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



45.7128, 0.3008, 0.2927



92.6144, 0.3096, 0.3191



50.9263, 0.2907, 0.3130



19.5349, 0.3090, 0.3172



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.



45.7128, 0.3008, 0.2927



71.1435, 0.2979, 0.2845



47.5846, 0.3127, 0.2940



11.0867, 0.3051, 0.3055



4.2198, 0.1937, 0.0841



0.2625, 0.2159, 0.0963

Inverse Universe

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



47.2563, 0.3251, 0.3095



74.2002, 0.3282, 0.3053



55.6263, 0.3124, 0.3663



11.3153, 0.3205, 0.3163



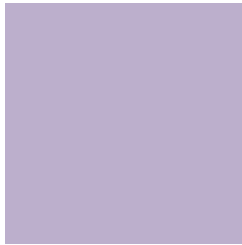
8.8396, 0.4731, 0.2380



0.4712, 0.4354, 0.2172

Previews

White Background



This preview shows how the Yxy color 45.7109, 0.3008, 0.2927 looks on a white background.

Color Contrast Check

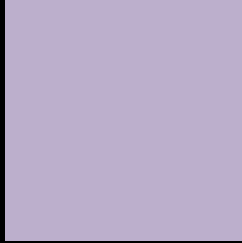
Large Text (above 18pt) WCAG AA × Fail

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 45.7109, 0.3008, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

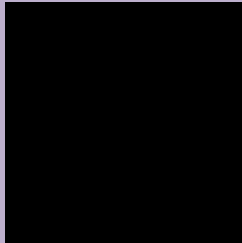
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7109, 0.3008, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 45.7109, 0.3008, 0.2927.



This preview shows how white text looks on a background with the Yxy color 45.7109, 0.3008, 0.2927.

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

45.7109, 0.3008, 0.2927

Protanopia

45.8104, 0.2888, 0.2944

Deuteranopia

45.9751, 0.2999, 0.2939



Tritanopia

45.6450, 0.3092, 0.3111

Trichromacy



Original Color

45.7109, 0.3008, 0.2927

Protanomaly

45.9519, 0.2935, 0.2947

Deuteranomaly

45.9751, 0.2999, 0.2939

Tritanomaly

45.6010, 0.3062, 0.3036

Monochromacy



Original Color

45.7109, 0.3008, 0.2927

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1483, 0.3083, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7109, 0.3008, 0.2927 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(188, 175, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 175, 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(188, 175, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 175, 204) }
```

Border

The CSS property to change the border of an element to Yxy 45.7109, 0.3008, 0.2927 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(188, 175, 204) }
```

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

```
.border{ border-color:rgb(188, 175, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 175, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 175, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 175, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 175,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7109, 0.3008, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 175, 204) }
```

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

```
.background{ background-color: rgb(188,  
175, 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](#).

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