

Converting Colors

$Y_{xy}(45.1644, 0.2963, 0.2793)$

Have a look what the booklet for
Yxy(45.1644, 0.2963, 0.2793)
contains.

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Color

Yxy(45.2057, 0.2963, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	BEACD4
RGB	190, 172, 212
RGB Percent	75%, 67%, 83%
CMY	0.2549, 0.3255, 0.1686
CMYK	0.10, 0.19, 0.00, 0.17
HSL	267°, 32%, 75%
HSV	267°, 19%, 83%
XYZ	47.8715, 45.2057, 68.4871
YIQ	181.9420, -2.1120, 16.2560

Conversions

Conversions Part 2

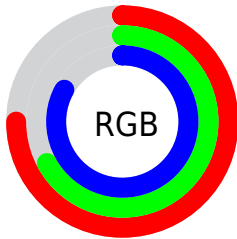
Format	Color
RYB	190, 172, 212
Decimal	12496084
CIELab	73.03, 14.08, -17.87
CIELCh	73, 22.747, 308.239
Yxy	45.2057, 0.2963, 0.2798
Android (android.graphics.Color)	4290686164 (0xFFBEACD4)
YUV	181.9420, 14.8186, 7.0669
Hunter-Lab	67.2352, 9.4306, -13.3294

Details

The Yxy color **45.2057, 0.2963, 0.2798** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.5330, 0.3269, 0.3778**, and the grayscale version is **46.6658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9323, 0.3086, 0.3014**, and **21.1015, 0.2912, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **36.3296, 0.2856, 0.2509**, and if you desaturate by 10%, it is **55.4929, 0.3056, 0.3069**.

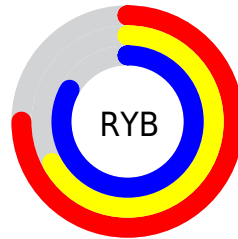
Distribution



Red (75%)

Green (67%)

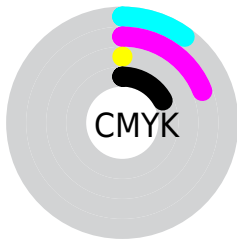
Blue (83%)



Red (75%)

Yellow (67%)

Blue (83%)

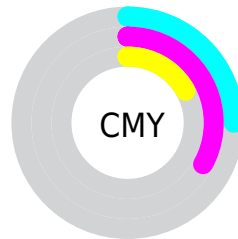


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (25%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2057, 0.2963, 0.2798 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 45.2057, 0.2963, 0.2798 by changing the saturation by 10% instead.

■ 45.2057, 0.2963,
0.2798

■ 45.2057, 0.2963,
0.2798

367.6060, 0.3048,
0.3037

■ 31.6195, 0.2941,
0.2740

■ 83.0290, 0.2994,
0.2883

■ 21.0710, 0.2913,
0.2668

108.0349, 0.3006,
0.2916

■ 13.1759, 0.2875,
0.2573

137.6161, 0.3016,
0.2944

■ 7.5498, 0.2821,
0.2446

172.1570, 0.3024,
0.2967

■ 3.8083, 0.2739,
0.2264

212.0421, 0.3031,
0.2988

■ 1.5669, 0.2602,
0.1988

257.6557, 0.3037,

■ 0.3351, 0.2392,

0.3007

0.1211

309.3822, 0.3043,
0.3023

0.0000, 0.0000,
0.0000

45.2057, 0.2963,
0.2798

45.2057, 0.2963,
0.2798

36.3296, 0.2856,
0.2509

55.4929, 0.3056,
0.3069

28.7952, 0.2736,
0.2208

67.2449, 0.3136,
0.3317

22.5357, 0.2603,
0.1904

80.5199, 0.3203,
0.3542

17.4760, 0.2463,
0.1612

94.2152, 0.3262,
0.3727

13.5330, 0.2319,
0.1346

96.2835, 0.3337,
0.3717

■ 10.6125, 0.2178,
0.1124

■ 97.5333, 0.3382,
0.3711

■ 8.6037, 0.2048,
0.0956

■ 7.3328, 0.1933,
0.0843

■ 7.2087, 0.1921,
0.0832

Harmonies

Analogous

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



45.2057, 0.2696, 0.2765



45.2057, 0.2963, 0.2798



45.2057, 0.3288, 0.2946

Triad

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



45.2057, 0.2963, 0.2798



45.2057, 0.3740, 0.3686



45.2057, 0.2685, 0.3387

Complementary

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



45.2057, 0.2963, 0.2798



61.5330, 0.3269, 0.3778

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.



45.2057, 0.2947, 0.3675



45.2057, 0.2963, 0.2798



45.2057, 0.3559, 0.3842

Square

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



45.2057, 0.2963, 0.2798



45.2057, 0.3750, 0.3442



45.2057, 0.3267, 0.3845



45.2057, 0.2542, 0.3086

Rectangle

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



45.2057, 0.2963, 0.2798



45.2057, 0.3494, 0.3093



45.2057, 0.3267, 0.3845



45.2057, 0.2762, 0.3490

Sweetspot

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



45.2076, 0.2963, 0.2798



89.0627, 0.3080, 0.3141



52.1080, 0.2833, 0.3063



18.8190, 0.3074, 0.3124



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.



45.2076, 0.2963, 0.2798



62.5059, 0.2918, 0.2673



47.9611, 0.3132, 0.2823



12.2796, 0.3051, 0.3054



4.5081, 0.1936, 0.0840



0.3206, 0.2130, 0.0947

Inverse Universe

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



47.3980, 0.3300, 0.3029



66.5329, 0.3349, 0.2965



59.0632, 0.3118, 0.3801



12.5340, 0.3206, 0.3163



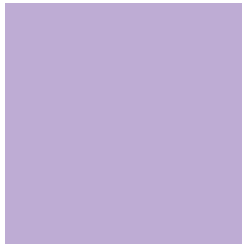
9.4484, 0.4738, 0.2384



0.5865, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 45.2057, 0.2963, 0.2798 looks on a white background.

Color Contrast Check

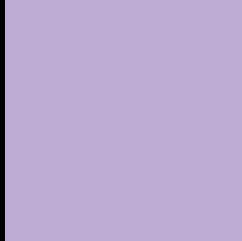
Large Text (above 18pt) WCAG AA × Fail

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 45.2057, 0.2963, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

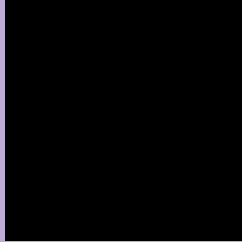
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2057, 0.2963, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 45.2057, 0.2963, 0.2798.



This preview shows how white text looks on a background with the Yxy color 45.2057, 0.2963, 0.2798.

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

45.2057, 0.2963, 0.2798

Protanopia

45.4566, 0.2786, 0.2807

Deuteranopia

45.1869, 0.2898, 0.2838



Tritanopia

45.2075, 0.3101, 0.3110

Trichromacy



Original Color

45.2057, 0.2963, 0.2798

Protanomaly

45.4219, 0.2845, 0.2800

Deuteranomaly

45.1656, 0.2922, 0.2828

Tritanomaly

45.3020, 0.3046, 0.2999

Monochromacy



Original Color

45.2057, 0.2963, 0.2798

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.0053, 0.3068, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2057, 0.2963, 0.2798 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(190, 172, 212)` looks like.

```
.text, #text, p{  
    color:rgb(190, 172, 212)  
}
```

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(190, 172, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 172, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.2057, 0.2963, 0.2798 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(190, 172, 212) }
```

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

```
.border{ border-color:rgb(190, 172, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 172, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 172, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 172, 212);  
box-shadow:4px 4px 4px 4px rgb(190, 172,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2057, 0.2963, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 172, 212) }
```

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

```
.background{ background-color: rgb(190,  
172, 212) }
```

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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