

Converting Colors

$Y_{xy}(45.8509, 0.2768, 0.2502)$

Have a look what the booklet for
Yxy(45.8509, 0.2768, 0.2502)
contains.

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Color

Yxy(45.7413, 0.2767, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	BDAAEE
RGB	189, 170, 238
RGB Percent	74%, 67%, 93%
CMY	0.2589, 0.3333, 0.0668
CMYK	0.21, 0.29, 0.00, 0.07
HSL	257°, 67%, 80%
HSV	257°, 29%, 93%
XYZ	50.7890, 45.7413, 87.0223
YIQ	183.4330, -10.5040, 25.1760

Conversions

Conversions Part 2

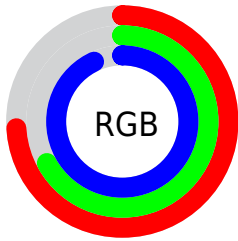
Format	Color
R_{YB}	189, 170, 238
Decimal	12430062
CIE _{Lab}	73.38, 20.49, -31.50
CIE _{LCh}	73, 37.583, 303.042
Yxy	45.7413, 0.2767, 0.2492
Android (android.graphics.Color)	4290620142 (0xFFBDAAEE)
YUV	183.4330, 26.9015, 4.8823
Hunter-Lab	67.6323, 15.6894, -28.9456

Details

The Yxy color $45.7413, 0.2767, 0.2492$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79.0974, 0.3422, 0.4038$, and the grayscale version is $47.4581, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.6633, 0.3080, 0.2994$, and $21.4852, 0.2665, 0.2298$ is the 20% darker color. If you saturate the color by 10%, you get $35.5480, 0.2609, 0.2171$, and if you desaturate by 10%, it is $57.8126, 0.2909, 0.2795$.

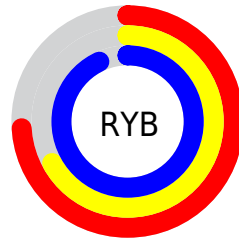
Distribution



Red (74%)

Green (67%)

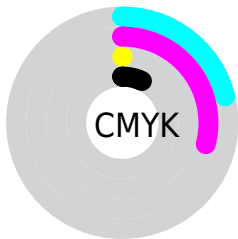
Blue (93%)



Red (74%)

Yellow (67%)

Blue (93%)

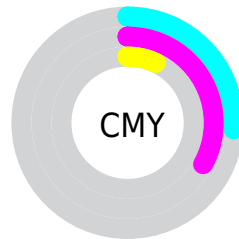


Cyan (21%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (26%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7413, 0.2767, 0.2492 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 45.7413, 0.2767, 0.2492 by changing the saturation by 10% instead.

■ 45.7413, 0.2767,
0.2492

■ 45.7413, 0.2767,
0.2492

■ 369.7676, 0.2950,
0.2870

■ 32.0417, 0.2721,
0.2405

■ 83.8317, 0.2834,
0.2624

■ 21.3934, 0.2662,
0.2296

■ 108.9913, 0.2859,
0.2675

■ 13.4118, 0.2585,
0.2159

■ 138.7397, 0.2880,
0.2719

■ 7.7128, 0.2479,
0.1979

■ 173.4613, 0.2898,
0.2757

■ 3.9117, 0.2325,
0.1738

■ 213.5405, 0.2914,
0.2791

■ 1.6243, 0.2089,
0.1401

■ 259.3617, 0.2927,


■ 0.3739, 0.1728,


0.2820

0.0755


311.3093, 0.2940,
0.2846


 0.0000, 0.0000,
0.0000

 45.7413, 0.2767,
0.2492

 45.7413, 0.2767,
0.2492


 35.5480, 0.2609,
0.2171


 57.8126, 0.2909,
0.2795


 27.1310, 0.2438,
0.1843


 71.8455, 0.3034,
0.3073

 20.3872, 0.2261,
0.1523

 87.9252, 0.3142,
0.3324

 15.2004, 0.2086,
0.1232

 98.9517, 0.3226,
0.3454

 11.4389, 0.1924,
0.0990

■ 8.9484, 0.1785,
0.0812

■ 7.5089, 0.1678,
0.0703

■ 7.3461, 0.1664,
0.0690

Harmonies

Analogous

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



45.7413, 0.2378, 0.2464



45.7413, 0.2767, 0.2492



45.7413, 0.3288, 0.2694

Triad

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



45.7413, 0.2767, 0.2492



45.7413, 0.4156, 0.3840



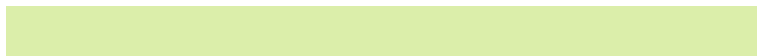
45.7413, 0.2469, 0.3533

Complementary

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



45.7413, 0.2767, 0.2492



79.0974, 0.3422, 0.4038

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.



45.7413, 0.2906, 0.4017



45.7413, 0.2767, 0.2492



45.7413, 0.3888, 0.4154

Square

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



45.7413, 0.2767, 0.2492



45.7413, 0.4131, 0.3433



45.7413, 0.3426, 0.4246



45.7413, 0.2217, 0.3013

Rectangle

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



45.7413, 0.2767, 0.2492



45.7413, 0.3643, 0.2905



45.7413, 0.3426, 0.4246



45.7413, 0.2598, 0.3710

Sweetspot

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



45.7432, 0.2767, 0.2492



83.2182, 0.3028, 0.3061



65.8279, 0.2691, 0.3077



17.2710, 0.3011, 0.3022



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.



45.7432, 0.2767, 0.2492



46.6099, 0.2681, 0.2315



50.4734, 0.3030, 0.2551



15.4424, 0.3023, 0.3049



4.1550, 0.1678, 0.0698



0.3938, 0.1813, 0.0772

Inverse Universe

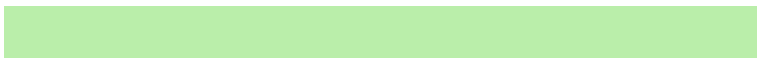
The Inverse Universe completely reimagines the original color for something new.



52.0408, 0.3316, 0.2765



55.1336, 0.3363, 0.2660



74.4610, 0.3192, 0.4095



15.9517, 0.3181, 0.3121



11.8158, 0.4068, 0.2015



0.9998, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 45.7413, 0.2767, 0.2492 looks on a white background.

Color Contrast Check

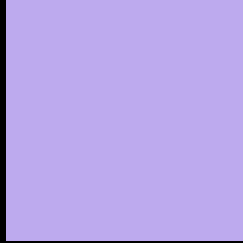
Large Text (above 18pt) WCAG AA × Fail

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 45.7413, 0.2767, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

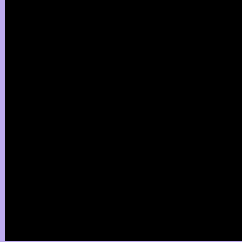
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7413, 0.2767, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 45.7413, 0.2767, 0.2492.



This preview shows how white text looks on a background with the Yxy color 45.7413, 0.2767, 0.2492.

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

45.7413, 0.2767, 0.2492

Protanopia

45.9495, 0.2539, 0.2485

Deuteranopia

45.7159, 0.2626, 0.2565



Tritanopia

45.9142, 0.3034, 0.3109

Trichromacy



Original Color

45.7413, 0.2767, 0.2492

Protanomaly

45.7287, 0.2614, 0.2483

Deuteranomaly

45.5005, 0.2673, 0.2528

Tritanomaly

45.8445, 0.2937, 0.2877

Monochromacy



Original Color

45.7413, 0.2767, 0.2492

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4669, 0.2991, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7413, 0.2767, 0.2492 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(189, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 238)  
}
```

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(189, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.7413, 0.2767, 0.2492 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(189, 170, 238) }
```

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

```
.border{ border-color:rgb(189, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7413, 0.2767, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 238) }
```

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

```
.background{ background-color: rgb(189,  
170, 238) }
```

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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