

Converting Colors

$Y_{xy}(45.8295, 0.2851, 0.2666)$

Have a look what the booklet for
Yxy(45.8295, 0.2851, 0.2666)
contains.

Yxy(45.8338, 0.2851, 0.2672)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.8338, 0.2851, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	BBADE0
RGB	187, 173, 224
RGB Percent	73%, 68%, 88%
CMY	0.2664, 0.3216, 0.1215
CMYK	0.16, 0.23, 0.00, 0.12
HSL	257°, 45%, 78%
HSV	257°, 23%, 88%
XYZ	48.9043, 45.8338, 76.7956
YIQ	183.0000, -8.0270, 18.8290

Conversions

Conversions Part 2

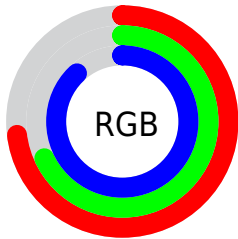
Format	Color
R _{YB}	187, 173, 224
Decimal	12299744
CIE _{Lab}	73.44, 15.15, -23.83
CIE _{LCh}	73, 28.234, 302.452
Yxy	45.8338, 0.2851, 0.2672
Android (android.graphics.Color)	4290489824 (0xFFBBADE0)
YUV	183.0000, 20.2130, 3.5080
Hunter-Lab	67.7007, 10.4651, -19.8646

Details

The Yxy color **45.8338, 0.2851, 0.2672** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.0227, 0.3364, 0.3877**, and the grayscale version is **47.2496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9399, 0.3066, 0.3023**, and **21.5259, 0.2764, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **36.0219, 0.2702, 0.2361**, and if you desaturate by 10%, it is **57.3207, 0.2983, 0.2960**.

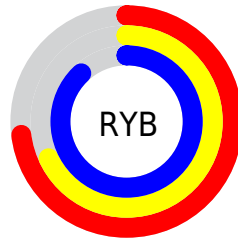
Distribution



Red (73%)

Green (68%)

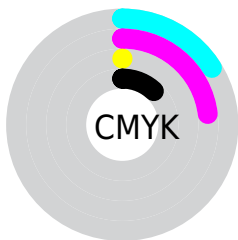
Blue (88%)



Red (73%)

Yellow (68%)

Blue (88%)

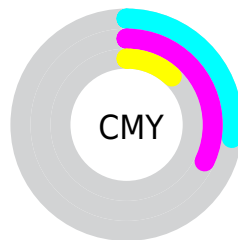


Cyan (16%)

Magenta (23%)

Yellow (0%)

Black (12%)



Cyan (27%)

Magenta (32%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8338, 0.2851, 0.2672 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 45.8338, 0.2851, 0.2672 by changing the saturation by 10% instead.

■ 45.8338, 0.2851,
0.2672

■ 45.8338, 0.2851,
0.2672

370.1401, 0.2991,
0.2969

■ 32.1147, 0.2816,
0.2601

■ 83.9702, 0.2902,
0.2777

■ 21.4491, 0.2770,
0.2513

109.1563, 0.2922,
0.2818

■ 13.4527, 0.2710,
0.2399

138.9335, 0.2938,
0.2852

■ 7.7410, 0.2625,
0.2248

173.6862, 0.2952,
0.2882

■ 3.9297, 0.2501,
0.2037

213.7988, 0.2964,
0.2908

■ 1.6343, 0.2303,
0.1728

259.6558, 0.2974,

■ 0.3806, 0.1989,

0.2931

0.1035

311.6414, 0.2983,
0.2951

0.0000, 0.0000,
0.0000

45.8338, 0.2851,
0.2672

45.8338, 0.2851,
0.2672

36.0219, 0.2702,
0.2361

57.3207, 0.2983,
0.2960

27.7999, 0.2538,
0.2036

70.5509, 0.3098,
0.3222

21.0836, 0.2363,
0.1710

85.5959, 0.3197,
0.3456

15.7789, 0.2186,
0.1400

97.5859, 0.3290,
0.3593

11.7803, 0.2015,
0.1127

98.1623, 0.3309,
0.3591

■ 8.9675, 0.1862,
0.0909

■ 7.1960, 0.1736,
0.0760

■ 6.4011, 0.1663,
0.0690

Harmonies

Analogous

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



45.8338, 0.2550, 0.2658



45.8338, 0.2851, 0.2672



45.8338, 0.3245, 0.2827

Triad

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



45.8338, 0.2851, 0.2672



45.8338, 0.3904, 0.3717



45.8338, 0.2635, 0.3483

Complementary

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



45.8338, 0.2851, 0.2672



70.0227, 0.3364, 0.3877

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.



45.8338, 0.2975, 0.3828



45.8338, 0.2851, 0.2672



45.8338, 0.3714, 0.3944

Square

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



45.8338, 0.2851, 0.2672



45.8338, 0.3875, 0.3406



45.8338, 0.3370, 0.3999



45.8338, 0.2432, 0.3099

Rectangle

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



45.8338, 0.2851, 0.2672



45.8338, 0.3509, 0.2992



45.8338, 0.3370, 0.3999



45.8338, 0.2737, 0.3610

Sweetspot

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



45.8357, 0.2851, 0.2672



86.7662, 0.3051, 0.3114



60.5561, 0.2778, 0.3125



18.3393, 0.3044, 0.3098



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.



45.8357, 0.2851, 0.2672



55.4023, 0.2787, 0.2537



49.2747, 0.3054, 0.2708



13.4255, 0.3023, 0.3051



3.7749, 0.1676, 0.0697



0.3056, 0.1838, 0.0786

Inverse Universe

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



50.3781, 0.3269, 0.2874



62.4969, 0.3302, 0.2790



66.6327, 0.3181, 0.3912



13.8677, 0.3180, 0.3122



10.7665, 0.4053, 0.2007



0.7612, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 45.8338, 0.2851, 0.2672 looks on a white background.

Color Contrast Check

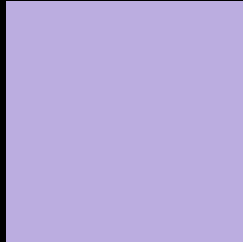
Large Text (above 18pt) WCAG AA × Fail

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 45.8338, 0.2851, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

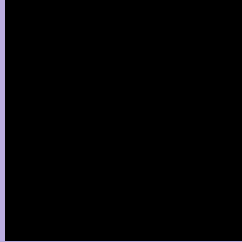
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8338, 0.2851, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 45.8338, 0.2851, 0.2672.



This preview shows how white text looks on a background with the Yxy color 45.8338, 0.2851, 0.2672.

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

45.8338, 0.2851, 0.2672

Protanopia

45.7671, 0.2684, 0.2666

Deuteranopia

46.0021, 0.2775, 0.2719



Tritanopia

46.0355, 0.3042, 0.3110

Trichromacy



Original Color

45.8338, 0.2851, 0.2672

Protanomaly

45.7107, 0.2740, 0.2661

Deuteranomaly

46.0817, 0.2805, 0.2712

Tritanomaly

45.9943, 0.2975, 0.2949

Monochromacy



Original Color

45.8338, 0.2851, 0.2672

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5078, 0.3020, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8338, 0.2851, 0.2672 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(187, 173, 224)` looks like.

```
.text, #text, p{  
    color:rgb(187, 173, 224)  
}
```

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(187, 173, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 173, 224) }
```

Border

The CSS property to change the border of an element to Yxy 45.8338, 0.2851, 0.2672 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(187, 173, 224) }
```

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

```
.border{ border-color:rgb(187, 173, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 173, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 173, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 173, 224);  
box-shadow:4px 4px 4px 4px rgb(187, 173,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8338, 0.2851, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 173, 224) }
```

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

```
.background{ background-color: rgb(187,  
173, 224) }
```

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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