

Converting Colors

$Y_{xy}(45.2324, 0.2822, 0.2669)$

Have a look what the booklet for
Yxy(45.2324, 0.2822, 0.2669)
contains.

Yxy(45.3362, 0.2819, 0.2667)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3362, 0.2819, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	B7ADE0
RGB	183, 173, 224
RGB Percent	72%, 68%, 88%
CMY	0.2824, 0.3215, 0.1216
CMYK	0.18, 0.23, 0.00, 0.12
HSL	252°, 45%, 78%
HSV	252°, 23%, 88%
XYZ	47.9200, 45.3362, 76.7333
YIQ	181.8040, -10.4110, 17.9810

Conversions

Conversions Part 2

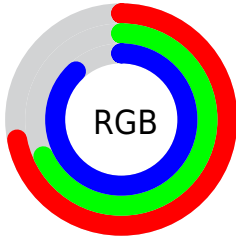
Format	Color
R_{YB}	183, 173, 224
Decimal	12037600
CIE _{Lab}	73.11, 13.84, -24.34
CIE _{LCh}	73, 28.000, 299.634
Yxy	45.3362, 0.2819, 0.2667
Android (android.graphics.Color)	4290227680 (0xFFB7ADE0)
YUV	181.8040, 20.8026, 1.0489
Hunter-Lab	67.3322, 9.2065, -20.4357

Details

The Yxy color **45.3362, 0.2819, 0.2667** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.6191, 0.3394, 0.3870**, and the grayscale version is **46.5552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0575, 0.3032, 0.3020**, and **21.2064, 0.2722, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **35.3854, 0.2654, 0.2350**, and if you desaturate by 10%, it is **57.0135, 0.2966, 0.2959**.

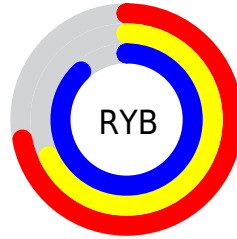
Distribution



Red (72%)

Green (68%)

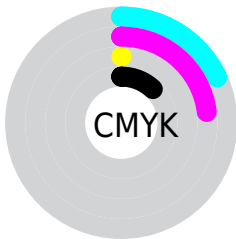
Blue (88%)



Red (72%)

Yellow (68%)

Blue (88%)

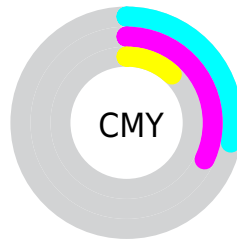


Cyan (18%)

Magenta (23%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (32%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3362, 0.2819, 0.2667 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 45.3362, 0.2819, 0.2667 by changing the saturation by 10% instead.

■ 45.3362, 0.2819,
0.2667

■ 45.3362, 0.2819,
0.2667

368.1335, 0.2975,
0.2968

■ 31.7223, 0.2780,
0.2595

■ 83.2247, 0.2876,
0.2774

■ 21.1495, 0.2729,
0.2506

108.2681, 0.2897,
0.2814

■ 13.2333, 0.2663,
0.2390

137.8901, 0.2915,
0.2849

■ 7.5894, 0.2570,
0.2236

172.4752, 0.2931,
0.2879

■ 3.8334, 0.2434,
0.2021

212.4076, 0.2944,
0.2906

■ 1.5808, 0.2218,
0.1705

258.0719, 0.2956,

■ 0.3446, 0.1864,

0.2929

0.0965

309.8524, 0.2966,
0.2949

0.0000, 0.0000,
0.0000

45.3362, 0.2819,
0.2667

45.3362, 0.2819,
0.2667

35.3854, 0.2654,
0.2350

57.0135, 0.2966,
0.2959

27.0733, 0.2474,
0.2016

70.4886, 0.3095,
0.3223

20.3123, 0.2285,
0.1680

85.8356, 0.3206,
0.3457

15.0048, 0.2096,
0.1360

98.1609, 0.3310,
0.3592

11.0415, 0.1919,
0.1080

■ 8.2974, 0.1766,
0.0859

■ 6.6232, 0.1649,
0.0713

■ 5.9115, 0.1586,
0.0648

Harmonies

Analogous

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



45.3362, 0.2532, 0.2668



45.3362, 0.2819, 0.2667



45.3362, 0.3206, 0.2809

Triad

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



45.3362, 0.2819, 0.2667



45.3362, 0.3908, 0.3688



45.3362, 0.2665, 0.3518

Complementary

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



45.3362, 0.2819, 0.2667



70.6191, 0.3394, 0.3870

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.



45.3362, 0.3012, 0.3851



45.3362, 0.2819, 0.2667



45.3362, 0.3737, 0.3926

Square

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



45.3362, 0.2819, 0.2667



45.3362, 0.3857, 0.3375



45.3362, 0.3405, 0.3999



45.3362, 0.2447, 0.3133

Rectangle

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



45.3362, 0.2819, 0.2667



45.3362, 0.3472, 0.2968



45.3362, 0.3405, 0.3999



45.3362, 0.2769, 0.3642

Sweetspot

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



45.3381, 0.2819, 0.2667



86.5126, 0.3042, 0.3113



62.6839, 0.2782, 0.3177



18.2807, 0.3034, 0.3097



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.



45.3381, 0.2819, 0.2667



54.6264, 0.2748, 0.2529



48.6608, 0.3019, 0.2702



13.3716, 0.3011, 0.3050



3.4794, 0.1597, 0.0653



0.2782, 0.1739, 0.0732

Inverse Universe

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



50.5934, 0.3235, 0.2830



62.8244, 0.3260, 0.2738



67.1584, 0.3211, 0.3905



13.8873, 0.3167, 0.3103



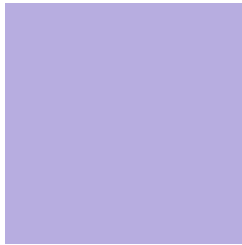
11.1641, 0.3773, 0.1852



0.7857, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 45.3362, 0.2819, 0.2667 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 45.3362, 0.2819, 0.2667 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 45.3362, 0.2819, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 45.3362, 0.2819, 0.2667.



This preview shows how white text looks on a background with the Yxy color 45.3362, 0.2819, 0.2667.

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

45.3362, 0.2819, 0.2667

Protanopia

45.6023, 0.2683, 0.2676

Deuteranopia

45.3771, 0.2759, 0.2704



Tritanopia

45.4376, 0.3001, 0.3107

Trichromacy



Original Color

45.3362, 0.2819, 0.2667

Protanomaly

45.4259, 0.2732, 0.2669

Deuteranomaly

45.3348, 0.2781, 0.2695

Tritanomaly

45.3876, 0.2934, 0.2945

Monochromacy



Original Color

45.3362, 0.2819, 0.2667

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.2165, 0.3012, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3362, 0.2819, 0.2667 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(183, 173, 224)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 173, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 173, 224) }
```

Border

The CSS property to change the border of an element to Yxy 45.3362, 0.2819, 0.2667 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(183, 173, 224) }
```

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

```
.border{ border-color:rgb(183, 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(183, 173, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 173, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 173, 224);  
box-shadow:4px 4px 4px 4px rgb(183, 173,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3362, 0.2819, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 173, 224) }
```

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

```
.background{ background-color: rgb(183,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor