

Converting Colors

$Y_{xy}(45.8761, 0.2916, 0.2687)$

Have a look what the booklet for
Yxy(45.8761, 0.2916, 0.2687)
contains.

Yxy(45.7372, 0.2912, 0.2678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7372, 0.2912, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	C1ABDE
RGB	193, 171, 222
RGB Percent	76%, 67%, 87%
CMY	0.2433, 0.3293, 0.1294
CMYK	0.13, 0.23, 0.00, 0.13
HSL	266°, 44%, 77%
HSV	266°, 23%, 87%
XYZ	49.7337, 45.7372, 75.3178
YIQ	183.3920, -3.2590, 20.5250

Conversions

Conversions Part 2

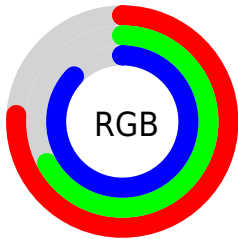
Format	Color
RYB	193, 171, 222
Decimal	12692446
CIELab	73.37, 17.67, -22.78
CIELCh	73, 28.836, 307.800
Yxy	45.7372, 0.2912, 0.2678
Android (android.graphics.Color)	4290882526 (0xFFC1ABDE)
YUV	183.3920, 19.0337, 8.4262
Hunter-Lab	67.6293, 12.9152, -18.6900

Details

The Yxy color **45.7372, 0.2912, 0.2678** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.4740, 0.3307, 0.3893**, and the grayscale version is **47.4743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9367, 0.3106, 0.3006**, and **21.4726, 0.2845, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **36.4527, 0.2795, 0.2380**, and if you desaturate by 10%, it is **56.5761, 0.3015, 0.2959**.

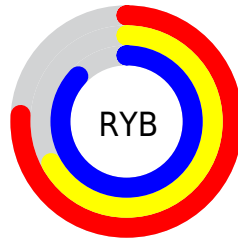
Distribution



Red (76%)

Green (67%)

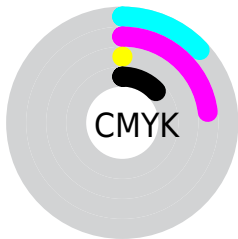
Blue (87%)



Red (76%)

Yellow (67%)

Blue (87%)

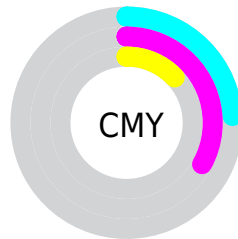


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7372, 0.2912, 0.2678 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 45.7372, 0.2912, 0.2678 by changing the saturation by 10% instead.

■ 45.7372, 0.2912,
0.2678

■ 45.7372, 0.2912,
0.2678

369.7511, 0.3023,
0.2972

■ 32.0385, 0.2884,
0.2608

■ 83.8256, 0.2953,
0.2782

■ 21.3909, 0.2847,
0.2521

108.9840, 0.2968,
0.2822

■ 13.4100, 0.2798,
0.2409

138.7311, 0.2981,
0.2856

■ 7.7115, 0.2728,
0.2260

173.4514, 0.2992,
0.2885

■ 3.9109, 0.2625,
0.2052

213.5291, 0.3001,
0.2911

■ 1.6238, 0.2457,
0.1747

259.3487, 0.3009,

■ 0.3736, 0.2200,

0.2934

0.1045

311.2946, 0.3017,
0.2954

0.0000, 0.0000,
0.0000

45.7372, 0.2912,
0.2678

45.7372, 0.2912,
0.2678

36.4527, 0.2795,
0.2380

56.5761, 0.3015,
0.2959

28.6432, 0.2664,
0.2073

69.0326, 0.3103,
0.3218

22.2303, 0.2523,
0.1769

83.1731, 0.3179,
0.3453

17.1264, 0.2375,
0.1482

95.9455, 0.3247,
0.3619

13.2330, 0.2228,
0.1230

98.0543, 0.3321,
0.3611

■ 10.4374, 0.2087,
0.1027

■ 8.6039, 0.1962,
0.0882

■ 7.7375, 0.1884,
0.0811

Harmonies

Analogous

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



45.7372, 0.2583, 0.2636



45.7372, 0.2912, 0.2678



45.7372, 0.3322, 0.2858

Triad

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



45.7372, 0.2912, 0.2678



45.7372, 0.3902, 0.3775



45.7372, 0.2576, 0.3415

Complementary

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



45.7372, 0.2912, 0.2678



67.4740, 0.3307, 0.3893

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.



45.7372, 0.2902, 0.3788



45.7372, 0.2912, 0.2678



45.7372, 0.3672, 0.3983

Square

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



45.7372, 0.2912, 0.2678



45.7372, 0.3915, 0.3466



45.7372, 0.3303, 0.4001



45.7372, 0.2399, 0.3031

Rectangle

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



45.7372, 0.2912, 0.2678



45.7372, 0.3584, 0.3037



45.7372, 0.3303, 0.4001



45.7372, 0.2671, 0.3548

Sweetspot

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



45.7391, 0.2912, 0.2678



87.2579, 0.3069, 0.3115



55.5957, 0.2768, 0.3029



18.4530, 0.3064, 0.3099



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.



45.7391, 0.2912, 0.2678



55.6816, 0.2852, 0.2523



49.2742, 0.3118, 0.2715



13.5303, 0.3048, 0.3052



4.6585, 0.1899, 0.0820



0.3750, 0.2072, 0.0915

Inverse Universe

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



48.8353, 0.3338, 0.2957



60.7712, 0.3399, 0.2877



64.3314, 0.3127, 0.3927



13.8307, 0.3203, 0.3157



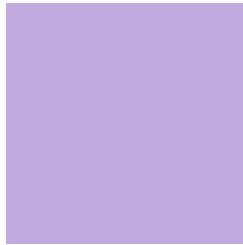
10.1485, 0.4660, 0.2341



0.7213, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 45.7372, 0.2912, 0.2678 looks on a white background.

Color Contrast Check

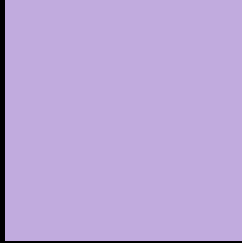
Large Text (above 18pt) WCAG AA × Fail

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 45.7372, 0.2912, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

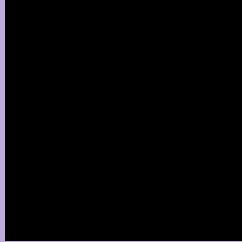
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7372, 0.2912, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 45.7372, 0.2912, 0.2678.



This preview shows how white text looks on a background with the Yxy color 45.7372, 0.2912, 0.2678.

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

45.7372, 0.2912, 0.2678

Protanopia

45.7117, 0.2691, 0.2678

Deuteranopia

45.6182, 0.2796, 0.2730



Tritanopia

45.8972, 0.3110, 0.3112

Trichromacy



Original Color

45.7372, 0.2912, 0.2678

Protanomaly

45.4433, 0.2767, 0.2673

Deuteranomaly

45.5598, 0.2841, 0.2713

Tritanomaly

45.8714, 0.3040, 0.2953

Monochromacy



Original Color

45.7372, 0.2912, 0.2678

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8362, 0.3053, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7372, 0.2912, 0.2678 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(193, 171, 222)` looks like.

```
.text, #text, p{  
    color:rgb(193, 171, 222)  
}
```

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(193, 171, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 171, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.7372, 0.2912, 0.2678 is called "border". The border property can be set on classes, ids or directly on the HTML element.

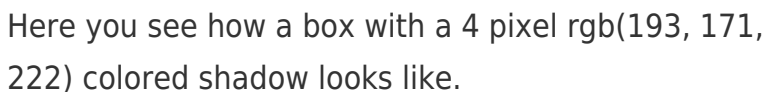
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 171, 222) }
```

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

```
.border{ border-color:rgb(193, 171, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 171, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 171, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 171, 222); box-shadow:4px 4px 4px 4px rgb(193, 171, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7372, 0.2912, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 171, 222) }
```

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

```
.background{ background-color: rgb(193,  
171, 222) }
```

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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