

Converting Colors

$Yxy(45.5841, 0.2681, 0.2500)$

Have a look what the booklet for
Yxy(45.5841, 0.2681, 0.2500)
contains.

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Color

Yxy(45.5841, 0.2681, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	B2ADEF
RGB	178, 173, 239
RGB Percent	70%, 68%, 94%
CMY	0.3019, 0.3216, 0.0628
CMYK	0.26, 0.28, 0.00, 0.06
HSL	245°, 67%, 81%
HSV	245°, 28%, 94%
XYZ	48.8844, 45.5841, 87.8679
YIQ	182.0190, -18.2060, 21.5860

Conversions

Conversions Part 2

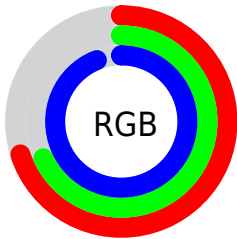
Format	Color
RYB	178, 173, 239
Decimal	11709935
CIELab	73.27, 15.80, -32.28
CIELCh	73, 35.939, 296.076
Yxy	45.5841, 0.2681, 0.2500
Android (android.graphics.Color)	4289900015 (0xFFB2ADEF)
YUV	182.0190, 28.0916, -3.5247
Hunter-Lab	67.5160, 11.0884, -29.9011

Details

The Yxy color **45.5841, 0.2681, 0.2500** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **82.2248, 0.3508, 0.3989**, and the grayscale version is **46.6438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3690, 0.3006, 0.3018**, and **21.3787, 0.2555, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **34.8204, 0.2485, 0.2161**, and if you desaturate by 10%, it is **58.4109, 0.2860, 0.2814**.

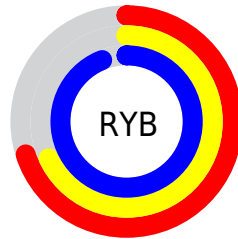
Distribution



Red (70%)

Green (68%)

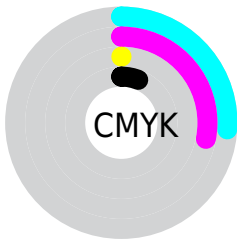
Blue (94%)



Red (70%)

Yellow (68%)

Blue (94%)

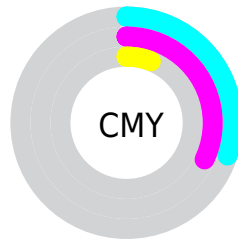


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (30%)

Magenta (32%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5841, 0.2681, 0.2500 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 45.5841, 0.2681, 0.2500 by changing the saturation by 10% instead.

■ 45.5841, 0.2681,
0.2500

■ 45.5841, 0.2681,
0.2500

369.1341, 0.2905,
0.2876

■ 31.9178, 0.2626,
0.2412

■ 83.5962, 0.2762,
0.2632

■ 21.2987, 0.2556,
0.2304

108.7108, 0.2793,
0.2683

■ 13.3425, 0.2464,
0.2165

138.4102, 0.2818,
0.2727

■ 7.6648, 0.2339,
0.1984

173.0789, 0.2841,
0.2765

■ 3.8812, 0.2161,
0.1740

213.1012, 0.2860,
0.2798

■ 1.6073, 0.1893,
0.1398

258.8616, 0.2877,

■ 0.3625, 0.1484,

0.2827

0.0737

310.7444, 0.2892,
0.2853

0.0000, 0.0000,
0.0000

45.5841, 0.2681,
0.2500

45.5841, 0.2681,
0.2500

34.8204, 0.2485,
0.2161

58.4109, 0.2860,
0.2814

26.0070, 0.2279,
0.1810

73.3949, 0.3019,
0.3097

19.0284, 0.2073,
0.1465

90.6312, 0.3159,
0.3347

13.7548, 0.1881,
0.1153

99.0109, 0.3220,
0.3444

10.0393, 0.1720,
0.0898

■ 7.7102, 0.1600,
0.0720

■ 6.5426, 0.1530,
0.0625

■ 6.3612, 0.1519,
0.0610

Harmonies

Analogous

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



45.5841, 0.2347, 0.2517



45.5841, 0.2681, 0.2500



45.5841, 0.3161, 0.2659

Triad

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



45.5841, 0.2681, 0.2500



45.5841, 0.4134, 0.3735



45.5841, 0.2581, 0.3641

Complementary

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



45.5841, 0.2681, 0.2500



82.2248, 0.3508, 0.3989

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.



45.5841, 0.3030, 0.4061



45.5841, 0.2681, 0.2500



45.5841, 0.3938, 0.4065

Square

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



45.5841, 0.2681, 0.2500



45.5841, 0.4038, 0.3337



45.5841, 0.3528, 0.4210



45.5841, 0.2291, 0.3134

Rectangle

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



45.5841, 0.2681, 0.2500



45.5841, 0.3507, 0.2844



45.5841, 0.3528, 0.4210



45.5841, 0.2717, 0.3802

Sweetspot

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



45.5859, 0.2681, 0.2500



84.2668, 0.3013, 0.3086



74.2929, 0.2720, 0.3239



17.4438, 0.2990, 0.3045



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.



45.5859, 0.2681, 0.2500



45.6660, 0.2575, 0.2316



49.8773, 0.2929, 0.2553



15.2862, 0.2991, 0.3047



3.5371, 0.1524, 0.0613



0.3140, 0.1584, 0.0646

Inverse Universe

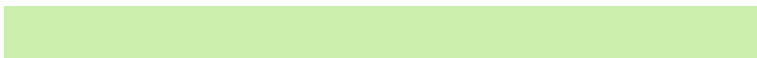
The Inverse Universe completely reimagines the original color for something new.



54.1732, 0.3199, 0.2651



57.1436, 0.3215, 0.2524



77.2388, 0.3280, 0.4043



16.0094, 0.3150, 0.3075



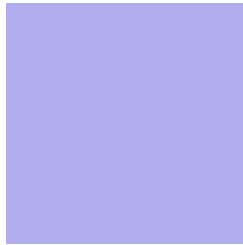
13.0293, 0.3410, 0.1652



1.0901, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 45.5841, 0.2681, 0.2500 looks on a white background.

Color Contrast Check

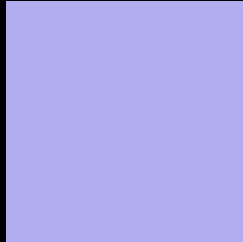
Large Text (above 18pt) WCAG AA × Fail

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 45.5841, 0.2681, 0.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

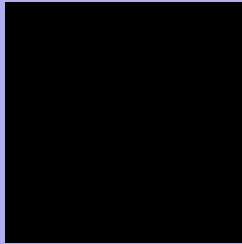
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5841, 0.2681, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 45.5841, 0.2681, 0.2500.



This preview shows how white text looks on a background with the Yxy color 45.5841, 0.2681, 0.2500.

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

45.5841, 0.2681, 0.2500

Protanopia

45.8287, 0.2551, 0.2506

Deuteranopia

45.6167, 0.2600, 0.2541



Tritanopia

45.5793, 0.2922, 0.3092

Trichromacy



Original Color

45.5841, 0.2681, 0.2500

Protanomaly

45.6170, 0.2594, 0.2500

Deuteranomaly

45.7698, 0.2633, 0.2535

Tritanomaly

45.4785, 0.2829, 0.2857

Monochromacy



Original Color

45.5841, 0.2681, 0.2500

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.3758, 0.2958, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5841, 0.2681, 0.2500 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(178, 173, 239)` looks like.

```
.text, #text, p{  
    color:rgb(178, 173, 239)  
}
```

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(178, 173, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 173, 239) }
```

Border

The CSS property to change the border of an element to Yxy 45.5841, 0.2681, 0.2500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

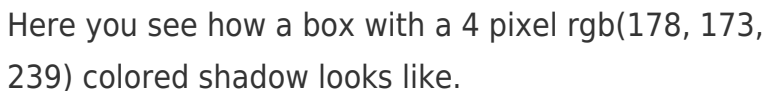
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 173, 239) }
```

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

```
.border{ border-color:rgb(178, 173, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 173, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 173, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 173, 239); box-shadow:4px 4px 4px 4px rgb(178, 173, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5841, 0.2681, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 173, 239) }
```

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

```
.background{ background-color: rgb(178,  
173, 239) }
```

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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