

Converting Colors

$Y_{xy}(46.6140, 0.2682, 0.2431)$

Have a look what the booklet for
Yxy(46.6140, 0.2682, 0.2431)
contains.

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Color

Yxy(46.4732, 0.2686, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	B9ACF6
RGB	185, 172, 246
RGB Percent	73%, 67%, 96%
CMY	0.2746, 0.3254, 0.0352
CMYK	0.25, 0.30, 0.00, 0.04
HSL	251°, 80%, 82%
HSV	251°, 30%, 96%
XYZ	51.3903, 46.4732, 93.4630
YIQ	184.3230, -16.0060, 25.7700

Conversions

Conversions Part 2

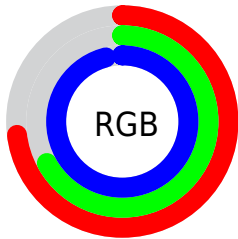
Format	Color
R _Y B	185, 172, 246
Decimal	12168438
CIE Lab	73.85, 20.04, -35.16
CIE LCh	74, 40.470, 299.687
Yxy	46.4732, 0.2686, 0.2429
Android (android.graphics.Color)	4290358518 (0xFFB9ACF6)
YUV	184.3230, 30.4068, 0.5937
Hunter-Lab	68.1713, 15.2609, -33.5669

Details

The Yxy color **46.4732, 0.2686, 0.2429** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **86.2347, 0.3491, 0.4067**, and the grayscale version is **47.9551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0354, 0.3052, 0.3011**, and **21.8529, 0.2562, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **35.6147, 0.2504, 0.2095**, and if you desaturate by 10%, it is **59.4290, 0.2851, 0.2744**.

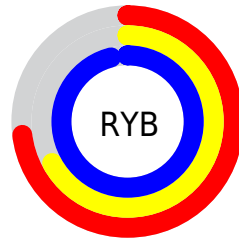
Distribution



Red (73%)

Green (67%)

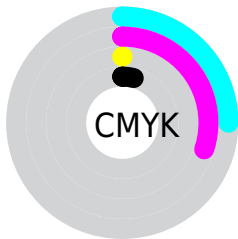
Blue (96%)



Red (73%)

Yellow (67%)

Blue (96%)

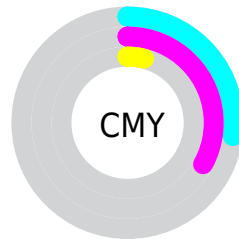


Cyan (25%)

Magenta (30%)

Yellow (0%)

Black (4%)



Cyan (27%)

Magenta (33%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4732, 0.2686, 0.2429 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 46.4732, 0.2686, 0.2429 by changing the saturation by 10% instead.

■ 46.4732, 0.2686,
0.2429

■ 46.4732, 0.2686,
0.2429

372.7078, 0.2908,
0.2834

■ 32.6194, 0.2631,
0.2336

■ 84.9267, 0.2766,
0.2570

■ 21.8350, 0.2562,
0.2222

110.2953, 0.2796,
0.2625

■ 13.7357, 0.2471,
0.2077

140.2708, 0.2822,
0.2672

■ 7.9371, 0.2349,
0.1891

175.2378, 0.2844,
0.2713

■ 4.0547, 0.2175,
0.1643

215.5806, 0.2863,
0.2749

■ 1.7042, 0.1916,
0.1306

261.6836, 0.2880,

■ 0.4264, 0.1526,

0.2780


0.0727

313.9312, 0.2895,
0.2808

 0.0000, 0.0000,
0.0000

 46.4732, 0.2686,
0.2429


 46.4732, 0.2686,
0.2429

 35.6147, 0.2504,
0.2095


 59.4290, 0.2851,
0.2744


 26.7369, 0.2312,
0.1753


 74.5793, 0.2998,
0.3031

 19.7204, 0.2119,
0.1424

 92.0218, 0.3126,
0.3288

 14.4304, 0.1935,
0.1129

 99.4348, 0.3179,
0.3376

 10.7134, 0.1776,
0.0891

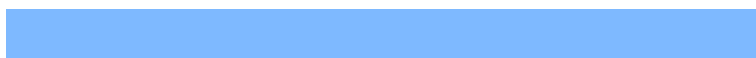
■ 8.3881, 0.1652,
0.0728

■ 7.1699, 0.1568,
0.0638

Harmonies

Analogous

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



46.4732, 0.2296, 0.2419



46.4732, 0.2686, 0.2429



46.4732, 0.3232, 0.2624

Triad

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



46.4732, 0.2686, 0.2429



46.4732, 0.4241, 0.3824



46.4732, 0.2467, 0.3614

Complementary

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



46.4732, 0.2686, 0.2429



86.2347, 0.3491, 0.4067

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.



46.4732, 0.2948, 0.4118



46.4732, 0.2686, 0.2429



46.4732, 0.3982, 0.4182

Square

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



46.4732, 0.2686, 0.2429



46.4732, 0.4179, 0.3387



46.4732, 0.3503, 0.4323



46.4732, 0.2176, 0.3046

Rectangle

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



46.4732, 0.2686, 0.2429



46.4732, 0.3618, 0.2838



46.4732, 0.3503, 0.4323



46.4732, 0.2610, 0.3803

Sweetspot

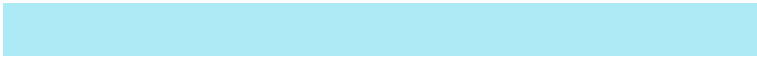
The Sweet Spot groups the original color and five complimentary colors.



46.4750, 0.2686, 0.2429



82.8058, 0.3013, 0.3060



74.0920, 0.2677, 0.3149



17.1701, 0.2993, 0.3020



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.



46.4750, 0.2686, 0.2429



43.1014, 0.2579, 0.2230



51.5917, 0.2965, 0.2494



16.0661, 0.3006, 0.3047



3.8681, 0.1578, 0.0643



0.3784, 0.1682, 0.0700

Inverse Universe

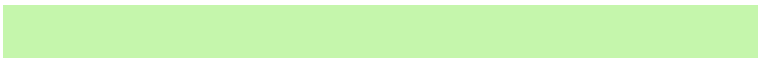
The Inverse Universe completely reimagines the original color for something new.



54.9925, 0.3265, 0.2661



53.7533, 0.3299, 0.2536



80.7279, 0.3243, 0.4132



16.7156, 0.3165, 0.3097



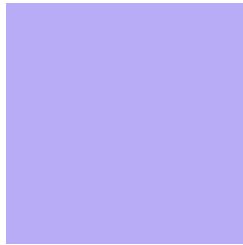
12.7765, 0.3709, 0.1817



1.1357, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 46.4732, 0.2686, 0.2429 looks on a white background.

Color Contrast Check

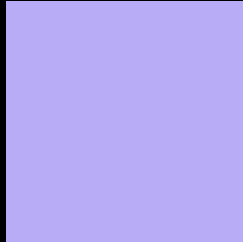
Large Text (above 18pt) WCAG AA × Fail

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 46.4732, 0.2686, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

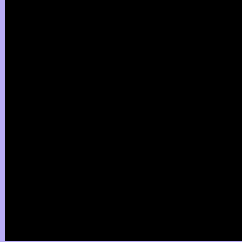
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4732, 0.2686, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 46.4732, 0.2686, 0.2429.

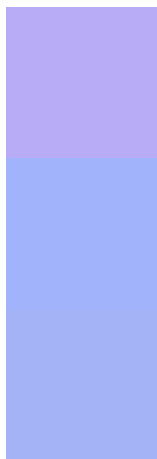


This preview shows how white text looks on a background with the Yxy color 46.4732, 0.2686, 0.2429.

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

46.4732, 0.2686, 0.2429

Protanopia

46.6788, 0.2496, 0.2425

Deuteranopia

46.7253, 0.2555, 0.2492



Tritanopia

46.5554, 0.2962, 0.3108

Trichromacy



Original Color

46.4732, 0.2686, 0.2429

Protanomaly

46.3252, 0.2561, 0.2422

Deuteranomaly

46.4139, 0.2605, 0.2466

Tritanomaly

46.2795, 0.2862, 0.2839

Monochromacy



Original Color

46.4732, 0.2686, 0.2429

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3379, 0.2953, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4732, 0.2686, 0.2429 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(185, 172, 246)` looks like.

```
.text, #text, p{  
    color:rgb(185, 172, 246)  
}
```

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(185, 172, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 172, 246) }
```

Border

The CSS property to change the border of an element to Yxy 46.4732, 0.2686, 0.2429 is called "border". The border property can be set on classes, ids or directly on the HTML element.

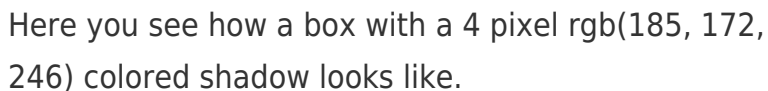
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 172, 246) }
```

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

```
.border{ border-color:rgb(185, 172, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 172, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 172, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 172, 246);  
box-shadow:4px 4px 4px 4px rgb(185, 172,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4732, 0.2686, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 172, 246) }
```

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

```
.background{ background-color: rgb(185,  
172, 246) }
```

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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