

Converting Colors

$Yxy(46.6434, 0.2768, 0.2637)$

Have a look what the booklet for
Yxy(46.6434, 0.2768, 0.2637)
contains.

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Color

Yxy(46.5876, 0.2765, 0.2636)

Conversions

Conversions Part 1

Format	Color
Hex	B5B0E6
RGB	181, 176, 230
RGB Percent	71%, 69%, 90%
CMY	0.2901, 0.3098, 0.0980
CMYK	0.21, 0.23, 0.00, 0.10
HSL	246°, 52%, 80%
HSV	246°, 23%, 90%
XYZ	48.8675, 46.5876, 81.2809
YIQ	183.6510, -14.3540, 17.8540

Conversions

Conversions Part 2

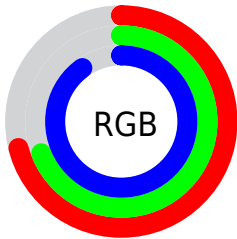
Format	Color
R _Y B	181, 176, 230
Decimal	11907302
CIE Lab	73.93, 12.95, -26.39
CIE LCh	74, 29.391, 296.138
Yxy	46.5876, 0.2765, 0.2636
Android (android.graphics.Color)	4290097382 (0xFFB5B0E6)
YUV	183.6510, 22.8501, -2.3249
Hunter-Lab	68.2551, 8.3513, -22.8263

Details

The Yxy color **46.5876, 0.2765, 0.2636** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.7342, 0.3444, 0.3883**, and the grayscale version is **47.6104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9378, 0.3019, 0.3060**, and **21.9833, 0.2663, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **35.9850, 0.2579, 0.2309**, and if you desaturate by 10%, it is **59.0996, 0.2933, 0.2936**.

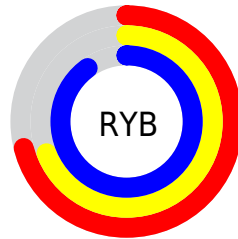
Distribution



Red (71%)

Green (69%)

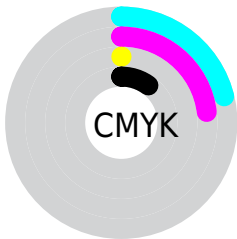
Blue (90%)



Red (71%)

Yellow (69%)

Blue (90%)

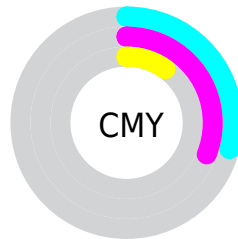


Cyan (21%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (29%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5876, 0.2765, 0.2636 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 46.5876, 0.2765, 0.2636 by changing the saturation by 10% instead.

■ 46.5876, 0.2765,
0.2636

■ 46.5876, 0.2765,
0.2636

373.1660, 0.2947,
0.2950

■ 32.7098, 0.2720,
0.2562

■ 85.0977, 0.2831,
0.2747

■ 21.9042, 0.2663,
0.2469

110.4988, 0.2856,
0.2790

■ 13.7865, 0.2587,
0.2350

140.5097, 0.2877,
0.2826

■ 7.9723, 0.2483,
0.2193

175.5149, 0.2895,
0.2857

■ 4.0773, 0.2333,
0.1975

215.8987, 0.2910,
0.2885

■ 1.7169, 0.2102,
0.1660

262.0455, 0.2924,

■ 0.4345, 0.1730,

0.2909

0.1031

314.3398, 0.2936,
0.2931

0.0000, 0.0000,
0.0000

46.5876, 0.2765,
0.2636

46.5876, 0.2765,
0.2636

35.9850, 0.2579,
0.2309

59.0996, 0.2933,
0.2936

27.1925, 0.2379,
0.1963

73.6025, 0.3080,
0.3204

20.1103, 0.2174,
0.1615

90.1801, 0.3209,
0.3440

14.6265, 0.1976,
0.1288

98.4933, 0.3274,
0.3532

10.6163, 0.1800,
0.1006

■ 7.9358, 0.1659,
0.0793

■ 6.4120, 0.1564,
0.0662

■ 5.8770, 0.1526,
0.0614

Harmonies

Analogous

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



46.5876, 0.2485, 0.2655



46.5876, 0.2765, 0.2636



46.5876, 0.3159, 0.2768

Triad

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



46.5876, 0.2765, 0.2636



46.5876, 0.3945, 0.3666



46.5876, 0.2683, 0.3574

Complementary

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



46.5876, 0.2765, 0.2636



75.7342, 0.3444, 0.3883

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.



46.5876, 0.3054, 0.3905



46.5876, 0.2765, 0.2636



46.5876, 0.3791, 0.3928

Square

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



46.5876, 0.2765, 0.2636



46.5876, 0.3865, 0.3337



46.5876, 0.3460, 0.4031



46.5876, 0.2439, 0.3170

Rectangle

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



46.5876, 0.2765, 0.2636



46.5876, 0.3439, 0.2924



46.5876, 0.3460, 0.4031



46.5876, 0.2796, 0.3700

Sweetspot

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



46.5895, 0.2765, 0.2636



86.1929, 0.3030, 0.3112



69.0657, 0.2777, 0.3237



18.2069, 0.3021, 0.3096



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.



46.5895, 0.2765, 0.2636



52.3129, 0.2680, 0.2486



50.1010, 0.2971, 0.2674



13.9509, 0.2995, 0.3048



3.3500, 0.1532, 0.0617



0.2696, 0.1612, 0.0661

Inverse Universe

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



53.3087, 0.3194, 0.2758



62.1748, 0.3210, 0.2650



71.8035, 0.3252, 0.3920



14.5909, 0.3152, 0.3080



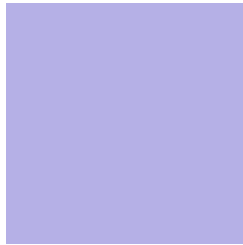
12.1294, 0.3457, 0.1678



0.9031, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 46.5876, 0.2765, 0.2636 looks on a white background.

Color Contrast Check

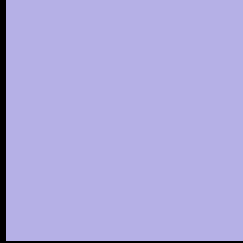
Large Text (above 18pt) WCAG AA × Fail

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 46.5876, 0.2765, 0.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

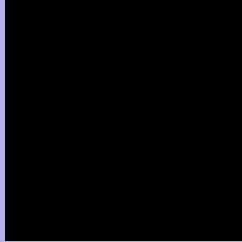
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5876, 0.2765, 0.2636

Background



This preview shows how black text looks on a background with the Yxy color 46.5876, 0.2765, 0.2636.



This preview shows how white text looks on a background with the Yxy color 46.5876, 0.2765, 0.2636.

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

46.5876, 0.2765, 0.2636

Protanopia

46.8505, 0.2655, 0.2637

Deuteranopia

46.5526, 0.2715, 0.2652



Tritanopia

46.6011, 0.2955, 0.3095

Trichromacy



Original Color

46.5876, 0.2765, 0.2636

Protanomaly

46.9506, 0.2696, 0.2641

Deuteranomaly

46.5046, 0.2736, 0.2643

Tritanomaly

46.5931, 0.2883, 0.2922

Monochromacy



Original Color

46.5876, 0.2765, 0.2636

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3321, 0.2989, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5876, 0.2765, 0.2636 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(181, 176, 230)` looks like.

```
.text, #text, p{  
    color:rgb(181, 176, 230)  
}
```

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(181, 176, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 176, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.5876, 0.2765, 0.2636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

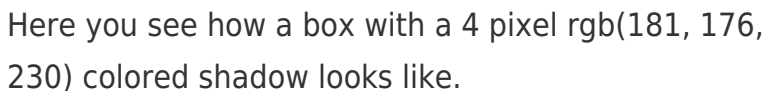
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 176, 230) }
```

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

```
.border{ border-color:rgb(181, 176, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 176, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 176, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 176, 230); box-shadow:4px 4px 4px 4px rgb(181, 176, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5876, 0.2765, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 176, 230) }
```

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

```
.background{ background-color: rgb(181,  
176, 230) }
```

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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