

Converting Colors

$Yxy(46.9514, 0.2762, 0.2624)$

Have a look what the booklet for
Yxy(46.9514, 0.2762, 0.2624)
contains.

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Color

Yxy(46.8219, 0.2759, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	B6B0E8
RGB	182, 176, 232
RGB Percent	71%, 69%, 91%
CMY	0.2863, 0.3098, 0.0902
CMYK	0.22, 0.24, 0.00, 0.09
HSL	246°, 55%, 80%
HSV	246°, 24%, 91%
XYZ	49.3814, 46.8219, 82.7795
YIQ	184.1780, -14.4000, 18.6880

Conversions

Conversions Part 2

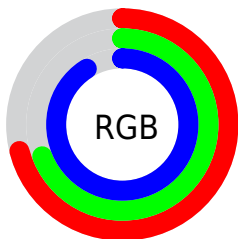
Format	Color
R _Y B	182, 176, 232
Decimal	11972840
CIE Lab	74.08, 13.70, -27.23
CIE LCh	74, 30.485, 296.702
Yxy	46.8219, 0.2759, 0.2616
Android (android.graphics.Color)	4290162920 (0xFFB6B0E8)
YUV	184.1780, 23.5762, -1.9101
Hunter-Lab	68.4265, 9.0716, -23.8280

Details

The Yxy color $46.8219, 0.2759, 0.2616$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $77.0196, 0.3447, 0.3901$, and the grayscale version is $47.9102, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2839, 0.3032, 0.3061$, and $22.1391, 0.2656, 0.2455$ is the 20% darker color. If you saturate the color by 10%, you get $36.1512, 0.2574, 0.2288$, and if you desaturate by 10%, it is $59.4243, 0.2925, 0.2917$.

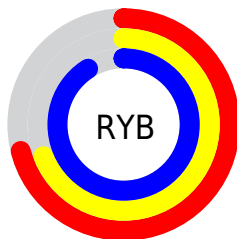
Distribution



Red (71%)

Green (69%)

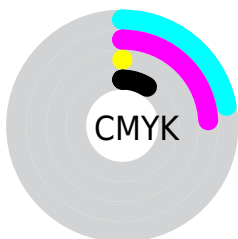
Blue (91%)



Red (71%)

Yellow (69%)

Blue (91%)

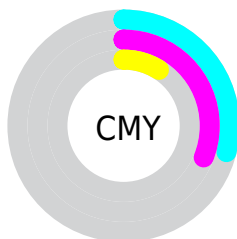


Cyan (22%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8219, 0.2759, 0.2616 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 46.8219, 0.2759, 0.2616 by changing the saturation by 10% instead.

■ 46.8219, 0.2759,
0.2616

■ 46.8219, 0.2759,
0.2616

374.1032, 0.2944,
0.2939

■ 32.8949, 0.2713,
0.2540

■ 85.4477, 0.2826,
0.2730

■ 22.0459, 0.2655,
0.2445

110.9153, 0.2851,
0.2774

■ 13.8907, 0.2578,
0.2324

140.9985, 0.2872,
0.2811

■ 8.0447, 0.2474,
0.2164

176.0818, 0.2891,
0.2843

■ 4.1235, 0.2322,
0.1943

216.5495, 0.2907,
0.2872

■ 1.7429, 0.2090,
0.1627

262.7860, 0.2920,

■ 0.4512, 0.1721,

0.2897

0.1018

315.1758, 0.2933,
0.2919

0.0000, 0.0000,
0.0000

46.8219, 0.2759,
0.2616

46.8219, 0.2759,
0.2616

36.1512, 0.2574,
0.2288

59.4243, 0.2925,
0.2917

27.3110, 0.2376,
0.1943

74.0414, 0.3072,
0.3188

20.1999, 0.2173,
0.1597

90.7584, 0.3200,
0.3426

14.7039, 0.1977,
0.1273

98.6063, 0.3262,
0.3513

10.6955, 0.1802,
0.0995

■ 8.0276, 0.1662,
0.0787

■ 6.5227, 0.1567,
0.0660

■ 6.0308, 0.1531,
0.0617

Harmonies

Analogous

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



46.8219, 0.2467, 0.2631



46.8219, 0.2759, 0.2616



46.8219, 0.3168, 0.2755

Triad

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



46.8219, 0.2759, 0.2616



46.8219, 0.3974, 0.3684



46.8219, 0.2661, 0.3576

Complementary

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



46.8219, 0.2759, 0.2616



77.0196, 0.3447, 0.3901

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.



46.8219, 0.3042, 0.3924



46.8219, 0.2759, 0.2616



46.8219, 0.3809, 0.3954

Square

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



46.8219, 0.2759, 0.2616



46.8219, 0.3895, 0.3344



46.8219, 0.3463, 0.4058



46.8219, 0.2413, 0.3157

Rectangle

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



46.8219, 0.2759, 0.2616



46.8219, 0.3458, 0.2917



46.8219, 0.3463, 0.4058



46.8219, 0.2777, 0.3708

Sweetspot

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



46.8238, 0.2759, 0.2616



86.2364, 0.3032, 0.3113



69.6689, 0.2766, 0.3224



18.2170, 0.3023, 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.



46.8238, 0.2759, 0.2616



51.1021, 0.2669, 0.2454



50.5226, 0.2974, 0.2656



13.9606, 0.2997, 0.3048



3.3739, 0.1538, 0.0621



0.2742, 0.1628, 0.0671

Inverse Universe

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



53.7005, 0.3203, 0.2750



61.0489, 0.3221, 0.2637



72.9099, 0.3248, 0.3941



14.5873, 0.3154, 0.3083



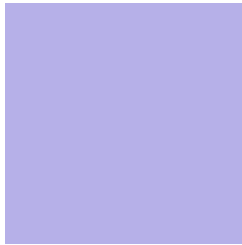
12.0414, 0.3498, 0.1700



0.8975, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 46.8219, 0.2759, 0.2616 looks on a white background.

Color Contrast Check

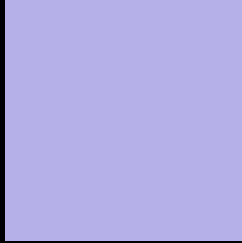
Large Text (above 18pt) WCAG AA × Fail

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 46.8219, 0.2759, 0.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

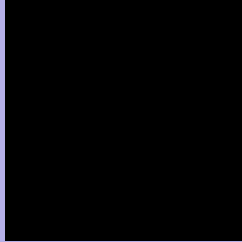
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8219, 0.2759, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 46.8219, 0.2759, 0.2616.



This preview shows how white text looks on a background with the Yxy color 46.8219, 0.2759, 0.2616.

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

46.8219, 0.2759, 0.2616

Protanopia

46.9655, 0.2643, 0.2615

Deuteranopia

47.0084, 0.2709, 0.2654



Tritanopia

46.6011, 0.2955, 0.3095

Trichromacy



Original Color

46.8219, 0.2759, 0.2616

Protanomaly

47.0649, 0.2683, 0.2620

Deuteranomaly

46.9574, 0.2730, 0.2645

Tritanomaly

46.7606, 0.2883, 0.2911

Monochromacy



Original Color

46.8219, 0.2759, 0.2616

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 46.8219, 0.2759, 0.2616 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(182, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(182, 176, 232)  
}
```

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(182, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 176, 232) }
```

Border

The CSS property to change the border of an element to Yxy 46.8219, 0.2759, 0.2616 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(182, 176, 232) }
```

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

```
.border{ border-color:rgb(182, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(182, 176,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8219, 0.2759, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 176, 232) }
```

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

```
.background{ background-color: rgb(182,  
176, 232) }
```

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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