

Converting Colors

Yxy(46.4362, 0.2607, 0.2412)

Have a look what the booklet for
Yxy(46.4362, 0.2607, 0.2412)
contains.

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Color

Yxy(46.3418, 0.2606, 0.2409)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---|
| Hex | B0AEF9 |
| RGB | 176, 174, 249 |
| RGB Percent | 69%, 68%, 98% |
| CMY | 0.3099, 0.3176, 0.0237 |
| CMYK | 0.29, 0.30, 0.00, 0.02 |
| HSL | 242°, 86%, 83% |
| HSV | 242°, 30%, 98% |
| XYZ | 50.1315, 46.3418, 95.8962 |
| YIQ | 183.1480, -22.8830, 23.7490 |

Conversions

Conversions Part 2

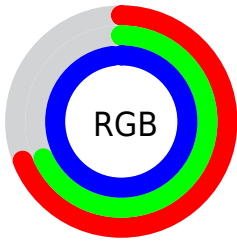
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 176, 174, 249 |
| Decimal | 11579129 |
| CIE Lab | 73.77, 17.06, -36.94 |
| CIE LCh | 74, 40.686, 294.783 |
| Yxy | 46.3418, 0.2606, 0.2409 |
| Android (android.graphics.Color) | 4289769209 (0xFFB0AEF9) |
| YUV | 183.1480, 32.4650, -6.2688 |
| Hunter-Lab | 68.0748, 12.3196, -35.8687 |

Details

The Yxy color **46.3418, 0.2606, 0.2409** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **90.5606, 0.3569, 0.4047**, and the grayscale version is **47.2668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5823, 0.2993, 0.3027**, and **21.7898, 0.2462, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **35.0203, 0.2398, 0.2060**, and if you desaturate by 10%, it is **59.9543, 0.2799, 0.2734**.

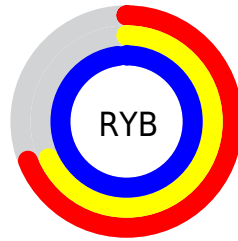
Distribution



Red (69%)

Green (68%)

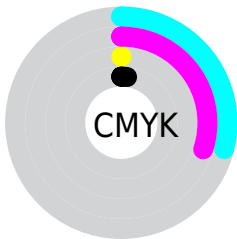
Blue (98%)



Red (69%)

Yellow (68%)

Blue (98%)

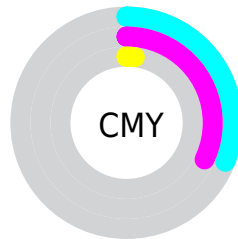


Cyan (29%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3418, 0.2606, 0.2409 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 46.3418, 0.2606, 0.2409 by changing the saturation by 10% instead.

■ 46.3418, 0.2606,
0.2409

■ 46.3418, 0.2606,
0.2409

372.1811, 0.2865,
0.2824

■ 32.5156, 0.2543,
0.2314

■ 84.7303, 0.2699,
0.2554

■ 21.7556, 0.2463,
0.2196

110.0614, 0.2735,
0.2610

■ 13.6775, 0.2360,
0.2048

139.9963, 0.2765,
0.2658

■ 7.8967, 0.2221,
0.1858

174.9194, 0.2790,
0.2700

■ 4.0289, 0.2028,
0.1605

215.2150, 0.2813,
0.2737

■ 1.6897, 0.1745,
0.1263

261.2675, 0.2833,


■ 0.4170, 0.1331,

0.2769


0.0683

313.4614, 0.2850,
0.2798

 0.0000, 0.0000,
0.0000


 46.3418, 0.2606,
0.2409


 46.3418, 0.2606,
0.2409


 35.0203, 0.2398,
0.2060


 59.9543, 0.2799,
0.2734


 25.8587, 0.2183,
0.1703


 75.9683, 0.2973,
0.3028

 18.7215, 0.1976,
0.1360

 94.4936, 0.3126,
0.3287

 13.4552, 0.1792,
0.1057

 99.6174, 0.3162,
0.3348

 9.8845, 0.1646,
0.0823

■ 7.8012, 0.1551,
0.0673

■ 6.8796, 0.1506,
0.0603

Harmonies

Analogous

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



46.3418, 0.2246, 0.2433



46.3418, 0.2606, 0.2409



46.3418, 0.3137, 0.2577

Triad

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



46.3418, 0.2606, 0.2409



46.3418, 0.4261, 0.3758



46.3418, 0.2531, 0.3711

Complementary

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



46.3418, 0.2606, 0.2409



90.5606, 0.3569, 0.4047

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.



46.3418, 0.3036, 0.4183



46.3418, 0.2606, 0.2409



46.3418, 0.4048, 0.4139

Square

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



46.3418, 0.2606, 0.2409



46.3418, 0.4142, 0.3315



46.3418, 0.3593, 0.4328



46.3418, 0.2203, 0.3132

Rectangle

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



46.3418, 0.2606, 0.2409



46.3418, 0.3528, 0.2778



46.3418, 0.3593, 0.4328



46.3418, 0.2685, 0.3894

Sweetspot

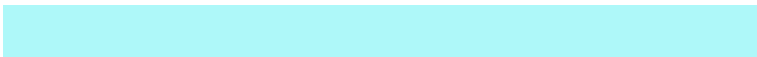
The Sweet Spot groups the original color and five complimentary colors.



46.3436, 0.2606, 0.2409



82.2265, 0.2991, 0.3058



82.7984, 0.2691, 0.3275



17.0288, 0.2967, 0.3018



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.



46.3436, 0.2606, 0.2409



41.5502, 0.2484, 0.2204



51.2228, 0.2877, 0.2473



16.6647, 0.2983, 0.3045



3.6931, 0.1508, 0.0604



0.3494, 0.1527, 0.0615

Inverse Universe

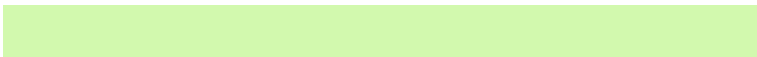
The Inverse Universe completely reimagines the original color for something new.



57.1269, 0.3178, 0.2557



54.5913, 0.3188, 0.2416



84.5238, 0.3317, 0.4114



17.5162, 0.3142, 0.3062



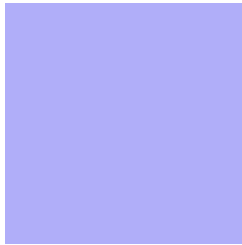
14.2307, 0.3276, 0.1578



1.3204, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 46.3418, 0.2606, 0.2409 looks on a white background.

Color Contrast Check

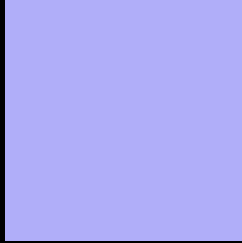
Large Text (above 18pt) WCAG AA × Fail

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 46.3418, 0.2606, 0.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

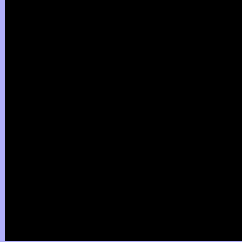
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3418, 0.2606, 0.2409

Background



This preview shows how black text looks on a background with the Yxy color 46.3418, 0.2606, 0.2409.



This preview shows how white text looks on a background with the Yxy color 46.3418, 0.2606, 0.2409.

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

46.3418, 0.2606, 0.2409

Protanopia

46.7030, 0.2479, 0.2404

Deuteranopia

46.5946, 0.2519, 0.2457



Tritanopia

46.4652, 0.2877, 0.3105

Trichromacy



Original Color

46.3418, 0.2606, 0.2409

Protanomaly

46.4719, 0.2519, 0.2398

Deuteranomaly

46.3286, 0.2548, 0.2439

Tritanomaly

46.1983, 0.2773, 0.2821

Monochromacy



Original Color

46.3418, 0.2606, 0.2409

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8508, 0.2921, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3418, 0.2606, 0.2409 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(176, 174, 249)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 249)  
}
```

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(176, 174, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 249) }
```

Border

The CSS property to change the border of an element to Yxy 46.3418, 0.2606, 0.2409 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(176, 174, 249) }
```

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

```
.border{ border-color:rgb(176, 174, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 249);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3418, 0.2606, 0.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 249) }
```

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

```
.background{ background-color: rgb(176,  
174, 249) }
```

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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