

Converting Colors

$Y_{xy}(46.9079, 0.2649, 0.2626)$

Have a look what the booklet for
Yxy(46.9079, 0.2649, 0.2626)
contains.

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Color

Yxy(46.9079, 0.2649, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	A8B4EA
RGB	168, 180, 234
RGB Percent	66%, 71%, 92%
CMY	0.3412, 0.2941, 0.0823
CMYK	0.28, 0.23, 0.00, 0.08
HSL	229°, 61%, 79%
HSV	229°, 28%, 92%
XYZ	47.3187, 46.9079, 84.4021
YIQ	182.5680, -24.4860, 14.2500

Conversions

Conversions Part 2

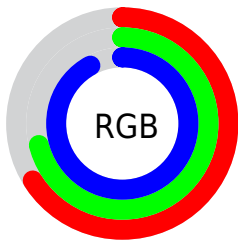
Format	Color
R _Y B	168, 178, 234
Decimal	11056362
CIE Lab	74.13, 7.78, -28.32
CIE LCh	74, 29.374, 285.368
Yxy	46.9079, 0.2649, 0.2626
Android (android.graphics.Color)	4289246442 (0xFFA8B4EA)
YUV	182.5680, 25.3560, -12.7761
Hunter-Lab	68.4893, 3.4679, -25.1228

Details

The Yxy color `46.9079, 0.2649, 0.2626` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `72.5524, 0.3586, 0.3876`, and the grayscale version is `46.9740, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.0582, 0.2936, 0.3095`, and `21.9705, 0.2515, 0.2449` is the 20% darker color. If you saturate the color by 10%, you get `37.3666, 0.2456, 0.2342`, and if you desaturate by 10%, it is `57.9821, 0.2832, 0.2886`.

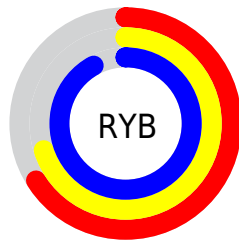
Distribution



Red (66%)

Green (71%)

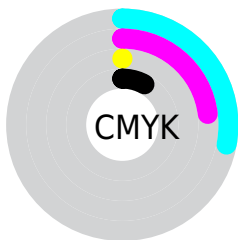
Blue (92%)



Red (66%)

Yellow (70%)

Blue (92%)

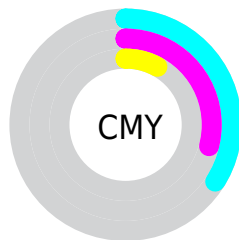


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (34%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9079, 0.2649, 0.2626 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 46.9079, 0.2649, 0.2626 by changing the saturation by 10% instead.

■ 46.9079, 0.2649,
0.2626

■ 46.9079, 0.2649,
0.2626

■ 374.4468, 0.2885,
0.2946

■ 32.9629, 0.2591,
0.2550

■ 85.5761, 0.2734,
0.2739

■ 22.0980, 0.2519,
0.2455

■ 111.0681, 0.2766,
0.2783

■ 13.9289, 0.2424,
0.2333

■ 141.1778, 0.2794,
0.2820

■ 8.0712, 0.2295,
0.2171

■ 176.2897, 0.2817,
0.2852

■ 4.1406, 0.2113,
0.1948

■ 216.7882, 0.2838,
0.2880

■ 1.7525, 0.1841,
0.1626

■ 263.0576, 0.2855,

■ 0.4573, 0.1391,

0.2905

0.1018

315.4823, 0.2871,
0.2927

0.0000, 0.0000,
0.0000

46.9079, 0.2649,
0.2626

46.9079, 0.2649,
0.2626

37.3666, 0.2456,
0.2342

57.9821, 0.2832,
0.2886

29.2844, 0.2258,
0.2041

70.6475, 0.3000,
0.3119

22.5896, 0.2065,
0.1734

84.9661, 0.3153,
0.3325

17.2019, 0.1887,
0.1436

98.7206, 0.3250,
0.3493

13.0329, 0.1737,
0.1166

■ 9.9818, 0.1623,
0.0941

■ 7.9239, 0.1552,
0.0774

■ 7.6397, 0.1542,
0.0750

Harmonies

Analogous

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



46.9079, 0.2425, 0.2703



46.9079, 0.2649, 0.2626



46.9079, 0.3010, 0.2706

Triad

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



46.9079, 0.2649, 0.2626



46.9079, 0.3942, 0.3551



46.9079, 0.2806, 0.3708

Complementary

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



46.9079, 0.2649, 0.2626



72.5524, 0.3586, 0.3876

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.



46.9079, 0.3201, 0.3976



46.9079, 0.2649, 0.2626



46.9079, 0.3869, 0.3846

Square

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



46.9079, 0.2649, 0.2626



46.9079, 0.3778, 0.3218



46.9079, 0.3592, 0.4016



46.9079, 0.2509, 0.3313

Rectangle

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



46.9079, 0.2649, 0.2626



46.9079, 0.3289, 0.2835



46.9079, 0.3592, 0.4016



46.9079, 0.2931, 0.3818

Sweetspot

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



46.9098, 0.2649, 0.2626



86.1464, 0.3003, 0.3123



72.4383, 0.2783, 0.3431



17.9125, 0.2979, 0.3089



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.



46.9098, 0.2649, 0.2626



49.8943, 0.2535, 0.2460



44.7468, 0.2792, 0.2508



14.9925, 0.2980, 0.3091



4.4240, 0.1547, 0.0770



0.4738, 0.1612, 0.1004

Inverse Universe

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



48.7893, 0.3633, 0.3156



52.8404, 0.3784, 0.3126



75.8336, 0.3400, 0.4032



15.0988, 0.3264, 0.3247



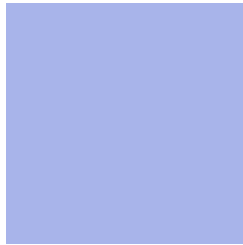
9.9394, 0.6118, 0.3144



0.7932, 0.5753, 0.2943

Previews

White Background



This preview shows how the Yxy color 46.9079, 0.2649, 0.2626 looks on a white background.

Color Contrast Check

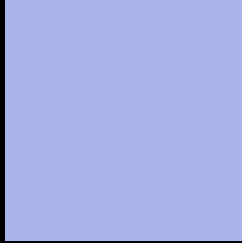
Large Text (above 18pt) WCAG AA × Fail

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 46.9079, 0.2649, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

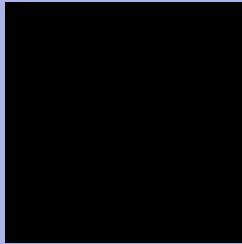
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9079, 0.2649, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 46.9079, 0.2649, 0.2626.



This preview shows how white text looks on a background with the Yxy color 46.9079, 0.2649, 0.2626.

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

46.9079, 0.2649, 0.2626

Protanopia

46.9079, 0.2649, 0.2626

Deuteranopia

46.9514, 0.2676, 0.2618



Tritanopia

46.9119, 0.2820, 0.3091

Trichromacy



Original Color

46.9079, 0.2649, 0.2626

Protanomaly

46.9079, 0.2649, 0.2626

Deuteranomaly

46.8386, 0.2669, 0.2617

Tritanomaly

46.9776, 0.2760, 0.2916

Monochromacy



Original Color

46.9079, 0.2649, 0.2626

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1851, 0.2942, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9079, 0.2649, 0.2626 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(168, 180, 234)` looks like.

```
.text, #text, p{  
    color:rgb(168, 180, 234)  
}
```

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(168, 180, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 180, 234) }
```

Border

The CSS property to change the border of an element to Yxy 46.9079, 0.2649, 0.2626 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(168, 180, 234) }
```

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

```
.border{ border-color:rgb(168, 180, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 180, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 180, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 180, 234);  
box-shadow:4px 4px 4px 4px rgb(168, 180,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9079, 0.2649, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 180, 234) }
```

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

```
.background{ background-color: rgb(168,  
180, 234) }
```

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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