

Converting Colors

$Y_{xy}(46.9857, 0.2769, 0.2801)$

Have a look what the booklet for
Yxy(46.9857, 0.2769, 0.2801)
contains.

Yxy(46.9857, 0.2769, 0.2801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9857, 0.2769, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	ACB5DC
RGB	172, 181, 220
RGB Percent	67%, 71%, 86%
CMY	0.3256, 0.2901, 0.1374
CMYK	0.22, 0.18, 0.00, 0.14
HSL	229°, 41%, 77%
HSV	229°, 22%, 86%
XYZ	46.4489, 46.9857, 74.3115
YIQ	182.7550, -17.8830, 10.2210

Conversions

Conversions Part 2

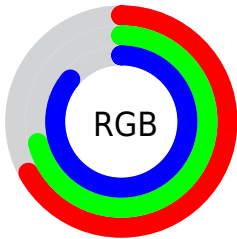
Format	Color
R _Y B	172, 180, 220
Decimal	11318748
CIE Lab	74.18, 5.13, -20.60
CIE LCh	74, 21.232, 283.973
Yxy	46.9857, 0.2769, 0.2801
Android (android.graphics.Color)	4289508828 (0xFFACB5DC)
YUV	182.7550, 18.3618, -9.4321
Hunter-Lab	68.5461, 1.0013, -16.2946

Details

The Yxy color **46.9857, 0.2769, 0.2801** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.7482, 0.3475, 0.3736**, and the grayscale version is **47.1166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2824, 0.2961, 0.3107**, and **22.0769, 0.2668, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **37.8983, 0.2583, 0.2535**, and if you desaturate by 10%, it is **57.4197, 0.2942, 0.3041**.

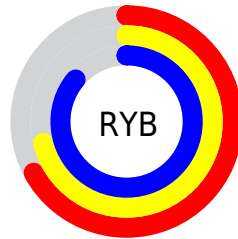
Distribution



Red (67%)

Green (71%)

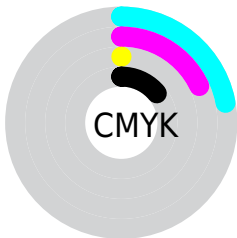
Blue (86%)



Red (67%)

Yellow (71%)

Blue (86%)

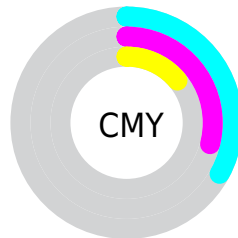


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (14%)



Cyan (33%)

Magenta (29%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9857, 0.2769, 0.2801 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 46.9857, 0.2769, 0.2801 by changing the saturation by 10% instead.

■ 46.9857, 0.2769,
0.2801

■ 46.9857, 0.2769,
0.2801

374.7574, 0.2947,
0.3040

■ 33.0244, 0.2725,
0.2743

■ 85.6923, 0.2833,
0.2886

■ 22.1451, 0.2669,
0.2670

111.2063, 0.2857,
0.2919

■ 13.9636, 0.2596,
0.2576

141.3400, 0.2878,
0.2947

■ 8.0953, 0.2495,
0.2447

176.4778, 0.2896,
0.2970

■ 4.1560, 0.2350,
0.2265

217.0040, 0.2911,
0.2991

■ 1.7612, 0.2122,
0.1988

263.3031, 0.2925,

■ 0.4628, 0.1691,

0.3009

0.1385

315.7594, 0.2936,
0.3026

0.0000, 0.0000,
0.0000

46.9857, 0.2769,
0.2801

46.9857, 0.2769,
0.2801

37.8983, 0.2583,
0.2535

57.4197, 0.2942,
0.3041

30.0963, 0.2389,
0.2248

69.2467, 0.3100,
0.3254

23.5225, 0.2193,
0.1946

82.5177, 0.3243,
0.3441

18.1127, 0.2005,
0.1643

96.3249, 0.3337,
0.3607

13.7969, 0.1836,
0.1354

97.9459, 0.3334,
0.3631

■ 10.4971, 0.1698,
0.1098

■ 8.1241, 0.1599,
0.0891

■ 6.7796, 0.1546,
0.0764

Harmonies

Analogous

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



46.9857, 0.2606, 0.2870



46.9857, 0.2769, 0.2801



46.9857, 0.3032, 0.2853

Triad

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



46.9857, 0.2769, 0.2801



46.9857, 0.3712, 0.3479



46.9857, 0.2910, 0.3599

Complementary

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



46.9857, 0.2769, 0.2801



64.7482, 0.3475, 0.3736

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.



46.9857, 0.3200, 0.3781



46.9857, 0.2769, 0.2801



46.9857, 0.3671, 0.3693

Square

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



46.9857, 0.2769, 0.2801



46.9857, 0.3586, 0.3232



46.9857, 0.3481, 0.3811



46.9857, 0.2684, 0.3325

Rectangle

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



46.9857, 0.2769, 0.2801



46.9857, 0.3233, 0.2946



46.9857, 0.3481, 0.3811



46.9857, 0.3003, 0.3674

Sweetspot

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



46.9876, 0.2769, 0.2801



87.8709, 0.3019, 0.3146



64.6125, 0.2861, 0.3406



18.5941, 0.3010, 0.3133



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.



46.9876, 0.2769, 0.2801



59.8569, 0.2689, 0.2687



45.1503, 0.2874, 0.2703



13.0118, 0.2981, 0.3094



4.1002, 0.1551, 0.0784



0.3840, 0.1631, 0.1071

Inverse Universe

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



48.0460, 0.3486, 0.3185



61.7517, 0.3581, 0.3162



67.2111, 0.3345, 0.3852



13.0914, 0.3262, 0.3246



9.0377, 0.6096, 0.3132



0.5975, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 46.9857, 0.2769, 0.2801 looks on a white background.

Color Contrast Check

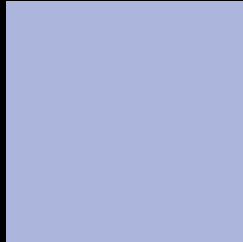
Large Text (above 18pt) WCAG AA × Fail

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 46.9857, 0.2769, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

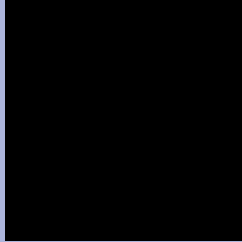
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9857, 0.2769, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 46.9857, 0.2769, 0.2801.



This preview shows how white text looks on a background with the Yxy color 46.9857, 0.2769, 0.2801.

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

46.9857, 0.2769, 0.2801

Protanopia

47.2137, 0.2784, 0.2803

Deuteranopia

46.8850, 0.2828, 0.2761



Tritanopia

47.1463, 0.2886, 0.3106

Trichromacy



Original Color

46.9857, 0.2769, 0.2801

Protanomaly

47.0993, 0.2776, 0.2802

Deuteranomaly

46.9256, 0.2806, 0.2770

Tritanomaly

47.2210, 0.2837, 0.2993

Monochromacy



Original Color

46.9857, 0.2769, 0.2801

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.0251, 0.2994, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9857, 0.2769, 0.2801 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(172, 181, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 220)  
}
```

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(172, 181, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.9857, 0.2769, 0.2801 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(172, 181, 220) }
```

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

```
.border{ border-color:rgb(172, 181, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9857, 0.2769, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 220) }
```

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

```
.background{ background-color: rgb(172,  
181, 220) }
```

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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