

Converting Colors

$Yxy(46.6106, 0.2842, 0.2847)$

Have a look what the booklet for
Yxy(46.6106, 0.2842, 0.2847)
contains.

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Color

Yxy(46.4936, 0.2839, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	B1B3D7
RGB	177, 179, 215
RGB Percent	69%, 70%, 84%
CMY	0.3061, 0.2980, 0.1568
CMYK	0.18, 0.17, 0.00, 0.16
HSL	237°, 32%, 77%
HSV	237°, 18%, 84%
XYZ	46.5100, 46.4936, 70.8216
YIQ	182.5060, -12.7480, 10.7720

Conversions

Conversions Part 2

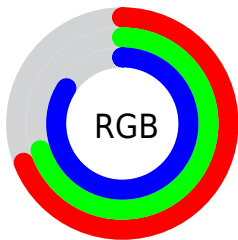
Format	Color
RYB	177, 179, 215
Decimal	11645911
CIELab	73.86, 6.66, -18.35
CIELCh	74, 19.519, 289.953
Yxy	46.4936, 0.2839, 0.2838
Android (android.graphics.Color)	4289835991 (0xFFB1B3D7)
YUV	182.5060, 16.0195, -4.8288
Hunter-Lab	68.1862, 2.4294, -13.8512

Details

The Yxy color **46.4936, 0.2839, 0.2838** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.1839, 0.3396, 0.3705**, and the grayscale version is **46.9831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9603, 0.2993, 0.3088**, and **21.7449, 0.2760, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **36.6076, 0.2651, 0.2539**, and if you desaturate by 10%, it is **57.9831, 0.3009, 0.3106**.

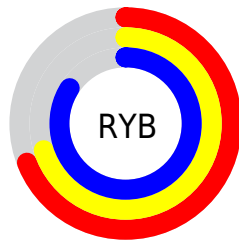
Distribution



Red (69%)

Green (70%)

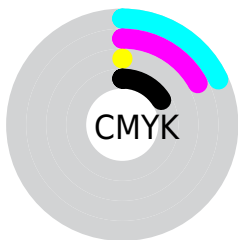
Blue (84%)



Red (69%)

Yellow (70%)

Blue (84%)

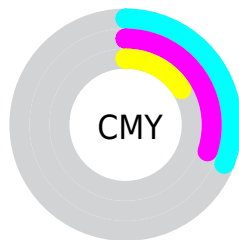


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (16%)



Cyan (31%)

Magenta (30%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4936, 0.2839, 0.2838 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 46.4936, 0.2839, 0.2838 by changing the saturation by 10% instead.

■ 46.4936, 0.2839,
0.2838

■ 46.4936, 0.2839,
0.2838

372.7895, 0.2983,
0.3059

■ 32.6355, 0.2803,
0.2784

■ 84.9572, 0.2891,
0.2917

■ 21.8474, 0.2757,
0.2717

110.3316, 0.2911,
0.2947

■ 13.7448, 0.2697,
0.2628

140.3134, 0.2928,
0.2973

■ 7.9434, 0.2613,
0.2508

175.2872, 0.2942,
0.2995

■ 4.0587, 0.2489,
0.2337

215.6373, 0.2954,
0.3014

■ 1.7065, 0.2293,
0.2074

261.7482, 0.2965,

■ 0.4278, 0.1912,

0.3031

0.1437

314.0041, 0.2975,
0.3046

0.0000, 0.0000,
0.0000

46.4936, 0.2839,
0.2838

46.4936, 0.2839,
0.2838

36.6076, 0.2651,
0.2539

57.9831, 0.3009,
0.3106

28.2484, 0.2448,
0.2214

71.1370, 0.3160,
0.3341

21.3415, 0.2238,
0.1874

86.0198, 0.3292,
0.3546

15.8041, 0.2031,
0.1535

97.6870, 0.3363,
0.3681

11.5449, 0.1843,
0.1221

■ 8.4615, 0.1688,
0.0956

■ 6.4357, 0.1578,
0.0760

■ 5.3198, 0.1517,
0.0645

■ 5.1621, 0.1508,
0.0628

Harmonies

Analogous

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



46.4936, 0.2666, 0.2880



46.4936, 0.2839, 0.2838



46.4936, 0.3095, 0.2907

Triad

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



46.4936, 0.2839, 0.2838



46.4936, 0.3671, 0.3510



46.4936, 0.2878, 0.3528

Complementary

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



46.4936, 0.2839, 0.2838



65.1839, 0.3396, 0.3705

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.



46.4936, 0.3140, 0.3718



46.4936, 0.2839, 0.2838



46.4936, 0.3604, 0.3693

Square

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



46.4936, 0.2839, 0.2838



46.4936, 0.3585, 0.3283



46.4936, 0.3407, 0.3776



46.4936, 0.2688, 0.3271

Rectangle

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



46.4936, 0.2839, 0.2838



46.4936, 0.3281, 0.3005



46.4936, 0.3407, 0.3776



46.4936, 0.2961, 0.3603

Sweetspot

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



46.4955, 0.2839, 0.2838



90.2081, 0.3051, 0.3171



62.7270, 0.2878, 0.3320



19.0246, 0.3040, 0.3154



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.



46.4955, 0.2839, 0.2838



63.0557, 0.2775, 0.2737



47.7280, 0.2969, 0.2829



12.1158, 0.2981, 0.3062



3.1359, 0.1510, 0.0637



0.2281, 0.1542, 0.0752

Inverse Universe

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



49.1295, 0.3449, 0.3266



67.6202, 0.3529, 0.3261



63.8571, 0.3265, 0.3746



12.4316, 0.3283, 0.3278



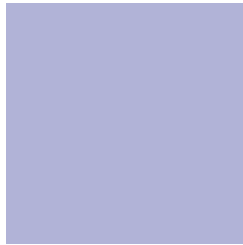
8.6614, 0.6338, 0.3265



0.5263, 0.6148, 0.3160

Previews

White Background



This preview shows how the Yxy color 46.4936, 0.2839, 0.2838 looks on a white background.

Color Contrast Check

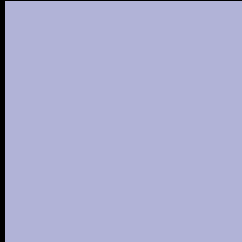
Large Text (above 18pt) WCAG AA × Fail

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 46.4936, 0.2839, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

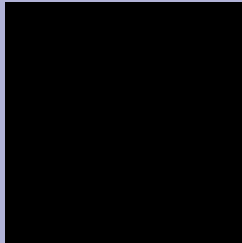
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4936, 0.2839, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 46.4936, 0.2839, 0.2838.



This preview shows how white text looks on a background with the Yxy color 46.4936, 0.2839, 0.2838.

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

46.4936, 0.2839, 0.2838

Protanopia

46.5991, 0.2810, 0.2836

Deuteranopia

46.2957, 0.2877, 0.2818



Tritanopia

46.4858, 0.2947, 0.3095

Trichromacy



Original Color

46.4936, 0.2839, 0.2838

Protanomaly

46.7143, 0.2818, 0.2837

Deuteranomaly

46.4504, 0.2862, 0.2828

Tritanomaly

46.5213, 0.2903, 0.2995

Monochromacy



Original Color

46.4936, 0.2839, 0.2838

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2198, 0.3018, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4936, 0.2839, 0.2838 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(177, 179, 215)` looks like.

```
.text, #text, p{  
    color:rgb(177, 179, 215)  
}
```

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(177, 179, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 179, 215) }
```

Border

The CSS property to change the border of an element to Yxy 46.4936, 0.2839, 0.2838 is called "border". The border property can be set on classes, ids or directly on the HTML element.

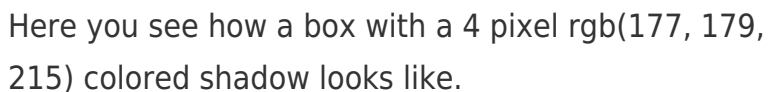
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 179, 215) }
```

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

```
.border{ border-color:rgb(177, 179, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 179, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(177, 179,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4936, 0.2839, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 179, 215) }
```

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

```
.background{ background-color: rgb(177,  
179, 215) }
```

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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