

Converting Colors

$Yxy(42.5203, 0.2833, 0.2807)$

Have a look what the booklet for
Yxy(42.5203, 0.2833, 0.2807)
contains.

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Color

Yxy(42.3872, 0.2829, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	ABABD1
RGB	171, 171, 209
RGB Percent	67%, 67%, 82%
CMY	0.3296, 0.3293, 0.1804
CMYK	0.18, 0.18, 0.00, 0.18
HSL	240°, 29%, 74%
HSV	240°, 18%, 82%
XYZ	42.8568, 42.3872, 66.2470
YIQ	175.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

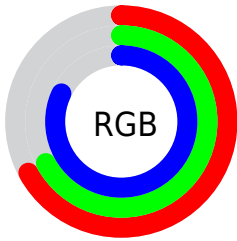
Format	Color
RYB	171, 171, 209
Decimal	11250641
CIELab	71.14, 7.82, -19.24
CIELCh	71, 20.765, 292.122
Yxy	42.3872, 0.2829, 0.2798
Android (android.graphics.Color)	4289440721 (0xFFABABD1)
YUV	175.3320, 16.5983, -3.7992
Hunter-Lab	65.1055, 3.5663, -14.7558

Details

The Yxy color **42.3872, 0.2829, 0.2798** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.0588, 0.3399, 0.3739**, and the grayscale version is **42.9647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9436, 0.2953, 0.2992**, and **19.3783, 0.2743, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **32.9568, 0.2637, 0.2481**, and if you desaturate by 10%, it is **53.4355, 0.3001, 0.3082**.

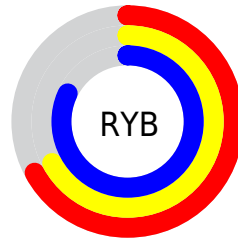
Distribution



Red (67%)

Green (67%)

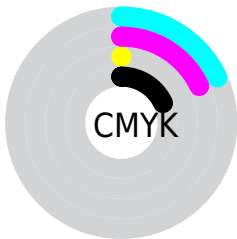
Blue (82%)



Red (67%)

Yellow (67%)

Blue (82%)

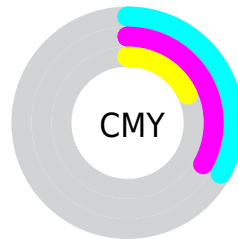


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3872, 0.2829, 0.2798 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 42.3872, 0.2829, 0.2798 by changing the saturation by 10% instead.

■ 42.3872, 0.2829,
0.2798

■ 42.3872, 0.2829,
0.2798

356.0855, 0.2981,
0.3042

■ 29.4046, 0.2791,
0.2738

■ 78.7853, 0.2885,
0.2886

■ 19.3871, 0.2741,
0.2662

102.9696, 0.2905,
0.2919

■ 11.9503, 0.2674,
0.2562

131.6566, 0.2923,
0.2947

■ 6.7099, 0.2581,
0.2425

165.2306, 0.2938,
0.2971

■ 3.2813, 0.2442,
0.2227

204.0761, 0.2951,
0.2992

■ 1.2803, 0.2214,
0.1918

248.5775, 0.2962,

■ 0.1259, 0.1540,

0.3011

0.0624

299.1192, 0.2972,
0.3027

0.0000, 0.0000,
0.0000

42.3872, 0.2829,
0.2798

42.3872, 0.2829,
0.2798

32.9568, 0.2637,
0.2481

53.4355, 0.3001,
0.3082

25.0634, 0.2430,
0.2139

66.1669, 0.3153,
0.3332

18.6272, 0.2215,
0.1783

80.6497, 0.3284,
0.3549

13.5591, 0.2004,
0.1436

96.9467, 0.3398,
0.3736

9.7602, 0.1815,
0.1123

97.3837, 0.3400,
0.3740

■ 7.1184, 0.1663,
0.0871

■ 5.5020, 0.1561,
0.0701

■ 4.7182, 0.1508,
0.0613

■ 4.6131, 0.1500,
0.0601

Harmonies

Analogous

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



42.3872, 0.2632, 0.2834



42.3872, 0.2829, 0.2798



42.3872, 0.3113, 0.2881

Triad

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



42.3872, 0.2829, 0.2798



42.3872, 0.3725, 0.3545



42.3872, 0.2836, 0.3533

Complementary

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



42.3872, 0.2829, 0.2798



62.0588, 0.3399, 0.3739

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.



42.3872, 0.3119, 0.3751



42.3872, 0.2829, 0.2798



42.3872, 0.3638, 0.3742

Square

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



42.3872, 0.2829, 0.2798



42.3872, 0.3642, 0.3299



42.3872, 0.3413, 0.3825



42.3872, 0.2636, 0.3247

Rectangle

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



42.3872, 0.2829, 0.2798



42.3872, 0.3317, 0.2992



42.3872, 0.3413, 0.3825



42.3872, 0.2924, 0.3618

Sweetspot

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



42.3889, 0.2829, 0.2798



89.8105, 0.3051, 0.3165



58.8273, 0.2859, 0.3297



18.9284, 0.3040, 0.3147



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.



42.3889, 0.2829, 0.2798



60.2029, 0.2754, 0.2674



44.5699, 0.2980, 0.2818



11.4216, 0.2982, 0.3050



2.8459, 0.1501, 0.0602



0.1605, 0.1502, 0.0606

Inverse Universe

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



45.6011, 0.3478, 0.3290



66.1851, 0.3577, 0.3290



59.5672, 0.3254, 0.3761



11.8086, 0.3290, 0.3290



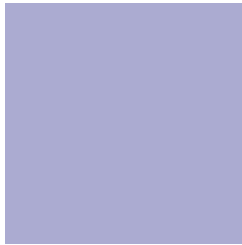
8.3586, 0.6398, 0.3298



0.4675, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 42.3872, 0.2829, 0.2798 looks on a white background.

Color Contrast Check

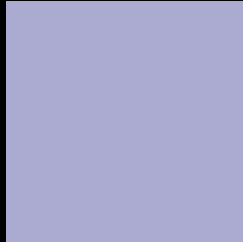
Large Text (above 18pt) WCAG AA × Fail

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 42.3872, 0.2829, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

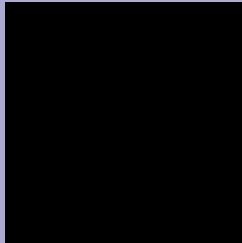
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3872, 0.2829, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 42.3872, 0.2829, 0.2798.



This preview shows how white text looks on a background with the Yxy color 42.3872, 0.2829, 0.2798.

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

42.3872, 0.2829, 0.2798

Protanopia

42.2652, 0.2784, 0.2794

Deuteranopia

42.3516, 0.2853, 0.2788



Tritanopia

42.5063, 0.2955, 0.3114

Trichromacy



Original Color

42.3872, 0.2829, 0.2798

Protanomaly

42.4830, 0.2799, 0.2796

Deuteranomaly

42.2371, 0.2845, 0.2787

Tritanomaly

42.5825, 0.2903, 0.2997

Monochromacy



Original Color

42.3872, 0.2829, 0.2798

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8586, 0.3022, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3872, 0.2829, 0.2798 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(171, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 209)  
}
```

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(171, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 209) }
```

Border

The CSS property to change the border of an element to Yxy 42.3872, 0.2829, 0.2798 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(171, 171, 209) }
```

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

```
.border{ border-color:rgb(171, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 171, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 171, 209); box-shadow:4px 4px 4px 4px rgb(171, 171, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3872, 0.2829, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 209) }
```

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

```
.background{ background-color: rgb(171,  
171, 209) }
```

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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