

Converting Colors

Yxy(42.3818, 0.2669, 0.2484)

Have a look what the booklet for
Yxy(42.3818, 0.2669, 0.2484)
contains.

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Color

Yxy(42.2913, 0.2668, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	ACA7E9
RGB	172, 167, 233
RGB Percent	67%, 65%, 91%
CMY	0.3256, 0.3450, 0.0863
CMYK	0.26, 0.28, 0.00, 0.09
HSL	245°, 60%, 78%
HSV	245°, 28%, 91%
XYZ	45.5340, 42.2913, 82.8418
YIQ	176.0190, -18.2060, 21.5860

Conversions

Conversions Part 2

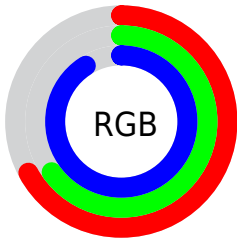
Format	Color
RYB	172, 167, 233
Decimal	11315177
CIELab	71.07, 15.93, -32.46
CIELCh	71, 36.156, 296.134
Yxy	42.2913, 0.2668, 0.2478
Android (android.graphics.Color)	4289505257 (0xFFACA7E9)
YUV	176.0190, 28.0916, -3.5247
Hunter-Lab	65.0318, 11.1766, -30.0053

Details

The Yxy color **42.2913, 0.2668, 0.2478** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.5572, 0.3518, 0.4006**, and the grayscale version is **43.2838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9565, 0.2959, 0.2951**, and **19.2873, 0.2534, 0.2269** is the 20% darker color. If you saturate the color by 10%, you get **32.2678, 0.2471, 0.2138**, and if you desaturate by 10%, it is **54.2510, 0.2848, 0.2794**.

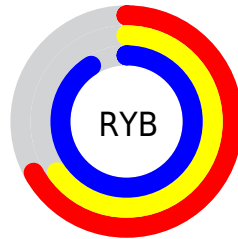
Distribution



Red (67%)

Green (65%)

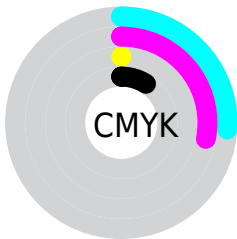
Blue (91%)



Red (67%)

Yellow (65%)

Blue (91%)

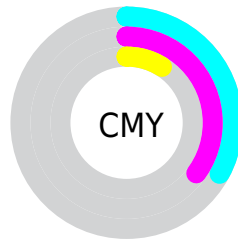


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2913, 0.2668, 0.2478 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 42.2913, 0.2668, 0.2478 by changing the saturation by 10% instead.

■ 42.2913, 0.2668,
0.2478

■ 42.2913, 0.2668,
0.2478

■ 355.6891, 0.2901,
0.2869

■ 29.3295, 0.2610,
0.2386

■ 78.6403, 0.2753,
0.2616

■ 19.3302, 0.2535,
0.2271

■ 102.7963, 0.2785,
0.2669

■ 11.9091, 0.2437,
0.2124

■ 131.4524, 0.2812,
0.2715

■ 6.6818, 0.2302,
0.1931

■ 164.9930, 0.2835,
0.2754

■ 3.2639, 0.2108,
0.1668

■ 203.8026, 0.2855,
0.2788

■ 1.2710, 0.1812,
0.1298

■ 248.2656, 0.2872,

■ 0.1186, 0.1304,

0.2818

0.0308

298.7663, 0.2888,
0.2845

0.0000, 0.0000,
0.0000

42.2913, 0.2668,
0.2478

42.2913, 0.2668,
0.2478

32.2678, 0.2471,
0.2138

54.2510, 0.2848,
0.2794

24.0740, 0.2265,
0.1787

68.2362, 0.3009,
0.3078

17.6006, 0.2060,
0.1444

84.3364, 0.3149,
0.3330

12.7246, 0.1870,
0.1135

98.6623, 0.3256,
0.3503

9.3068, 0.1710,
0.0884

■ 7.1837, 0.1595,
0.0712

■ 6.1287, 0.1527,
0.0621

■ 6.0064, 0.1519,
0.0610

Harmonies

Analogous

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



42.2913, 0.2325, 0.2494



42.2913, 0.2668, 0.2478



42.2913, 0.3162, 0.2641

Triad

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



42.2913, 0.2668, 0.2478



42.2913, 0.4165, 0.3746



42.2913, 0.2563, 0.3652

Complementary

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



42.2913, 0.2668, 0.2478



77.5572, 0.3518, 0.4006

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.



42.2913, 0.3025, 0.4087



42.2913, 0.2668, 0.2478



42.2913, 0.3961, 0.4087

Square

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



42.2913, 0.2668, 0.2478



42.2913, 0.4068, 0.3337



42.2913, 0.3538, 0.4239



42.2913, 0.2266, 0.3127

Rectangle

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



42.2913, 0.2668, 0.2478



42.2913, 0.3520, 0.2832



42.2913, 0.3538, 0.4239



42.2913, 0.2703, 0.3818

Sweetspot

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



42.2930, 0.2668, 0.2478



84.2638, 0.3013, 0.3086



69.9095, 0.2711, 0.3237



17.4430, 0.2990, 0.3045



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.



42.2930, 0.2668, 0.2478



44.4297, 0.2555, 0.2282



46.4185, 0.2923, 0.2534



14.6031, 0.2991, 0.3047



3.4286, 0.1524, 0.0613



0.2881, 0.1587, 0.0648

Inverse Universe

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



50.5662, 0.3200, 0.2635



56.1831, 0.3218, 0.2500



72.7421, 0.3283, 0.4063



15.2931, 0.3149, 0.3075



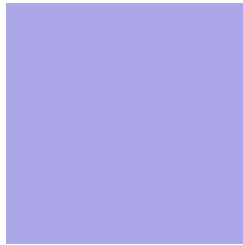
12.6357, 0.3407, 0.1651



0.9981, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 42.2913, 0.2668, 0.2478 looks on a white background.

Color Contrast Check

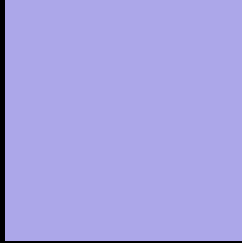
Large Text (above 18pt) WCAG AA × Fail

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 42.2913, 0.2668, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

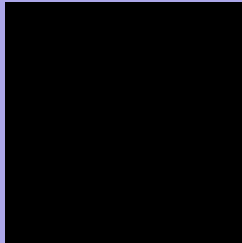
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2913, 0.2668, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 42.2913, 0.2668, 0.2478.



This preview shows how white text looks on a background with the Yxy color 42.2913, 0.2668, 0.2478.

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

42.2913, 0.2668, 0.2478

Protanopia

42.5297, 0.2535, 0.2484

Deuteranopia

42.3229, 0.2585, 0.2520



Tritanopia

42.1206, 0.2915, 0.3099

Trichromacy



Original Color

42.2913, 0.2668, 0.2478

Protanomaly

42.3247, 0.2580, 0.2477

Deuteranomaly

42.4682, 0.2619, 0.2514

Tritanomaly

42.0198, 0.2819, 0.2855

Monochromacy



Original Color

42.2913, 0.2668, 0.2478

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0323, 0.2953, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2913, 0.2668, 0.2478 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, 167, 233)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 233)  
}
```

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, 167, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 233) }
```

Border

The CSS property to change the border of an element to Yxy 42.2913, 0.2668, 0.2478 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, 167, 233) }
```

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

```
.border{ border-color:rgb(172, 167, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 167, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 233);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2913, 0.2668, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 233) }
```

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

```
.background{ background-color: rgb(172,  
167, 233) }
```

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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