

Converting Colors

$Y_{xy}(46.8731, 0.2640, 0.2335)$

Have a look what the booklet for
Yxy(46.8731, 0.2640, 0.2335)
contains.

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Color

Yxy(46.7849, 0.2637, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	BAABFF
RGB	186, 171, 255
RGB Percent	73%, 67%, 100%
CMY	0.2702, 0.3295, 0.0000
CMYK	0.27, 0.33, 0.00, 0.00
HSL	251°, 100%, 84%
HSV	251°, 33%, 100%
XYZ	52.8812, 46.7849, 100.8693
YIQ	185.0610, -18.0240, 29.3040

Conversions

Conversions Part 2

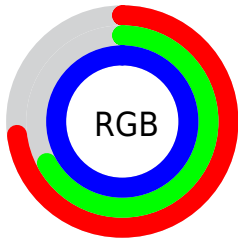
Format	Color
R _Y B	186, 171, 255
Decimal	12233727
CIE Lab	74.05, 23.08, -39.71
CIE LCh	74, 45.927, 300.169
Yxy	46.7849, 0.2637, 0.2333
Android (android.graphics.Color)	4290423807 (0xFFBAABFF)
YUV	185.0610, 34.4799, 0.8235
Hunter-Lab	68.3995, 18.3032, -39.5558

Details

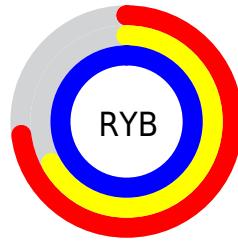
The Yxy color **46.7849, 0.2637, 0.2333** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.9634, 0.3523, 0.4145**, and the grayscale version is **48.3689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6674, 0.3059, 0.3002**, and **22.0962, 0.2501, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **35.6336, 0.2452, 0.1995**, and if you desaturate by 10%, it is **60.1783, 0.2807, 0.2655**.

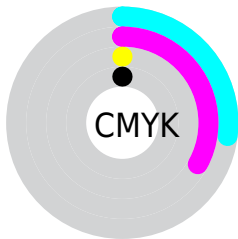
Distribution



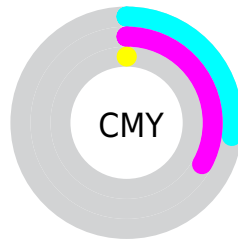
- Red (73%)
- Green (67%)
- Blue (100%)



- Red (73%)
- Yellow (67%)
- Blue (100%)



- Cyan (27%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7849, 0.2637, 0.2333 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 46.7849, 0.2637, 0.2333 by changing the saturation by 10% instead.


 46.7849, 0.2637,
0.2333

 46.7849, 0.2637,
0.2333

373.9553, 0.2883,
0.2778

 32.8656, 0.2577,
0.2233


 85.3925, 0.2726,
0.2487

 22.0235, 0.2501,
0.2110


110.8495, 0.2759,
0.2547

 13.8742, 0.2403,
0.1956


140.9214, 0.2788,
0.2598

 8.0332, 0.2270,
0.1761

175.9923, 0.2812,
0.2644

 4.1162, 0.2086,
0.1506

216.4468, 0.2833,
0.2683

 1.7388, 0.1817,
0.1169

262.6692, 0.2852,

 0.4486, 0.1422,

0.2718

0.0639

315.0439, 0.2868,
0.2750

0.0000, 0.0000,
0.0000

46.7849, 0.2637,
0.2333

46.7849, 0.2637,
0.2333

35.6336, 0.2452,
0.1995

60.1783, 0.2807,
0.2655

26.5993, 0.2259,
0.1655

75.9270, 0.2959,
0.2951

19.5467, 0.2067,
0.1333

94.1376, 0.3092,
0.3217

14.3235, 0.1890,
0.1053

100.0000, 0.3127,
0.3290

10.7551, 0.1739,
0.0836

■ 8.6318, 0.1626,
0.0696

■ 7.7981, 0.1571,
0.0639

Harmonies

Analogous

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



46.7849, 0.2202, 0.2315



46.7849, 0.2637, 0.2333



46.7849, 0.3252, 0.2552

Triad

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



46.7849, 0.2637, 0.2333



46.7849, 0.4381, 0.3882



46.7849, 0.2375, 0.3645

Complementary

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



46.7849, 0.2637, 0.2333



92.9634, 0.3523, 0.4145

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.



46.7849, 0.2907, 0.4233



46.7849, 0.2637, 0.2333



46.7849, 0.4076, 0.4292

Square

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



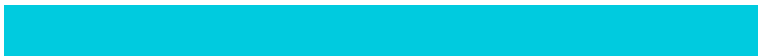
46.7849, 0.2637, 0.2333



46.7849, 0.4323, 0.3396



46.7849, 0.3531, 0.4465



46.7849, 0.2060, 0.2996

Rectangle

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



46.7849, 0.2637, 0.2333



46.7849, 0.3690, 0.2789



46.7849, 0.3531, 0.4465



46.7849, 0.2533, 0.3865

Sweetspot

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



46.7853, 0.2637, 0.2333



81.0431, 0.3000, 0.3033



78.7824, 0.2637, 0.3134



16.8196, 0.2981, 0.2994



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.



46.7853, 0.2637, 0.2333



38.7001, 0.2508, 0.2096



52.6641, 0.2944, 0.2412



17.5349, 0.3007, 0.3046



4.1197, 0.1581, 0.0644



0.4417, 0.1674, 0.0696

Inverse Universe

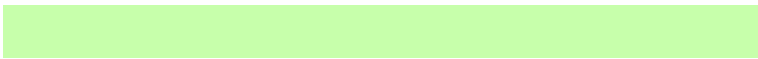
The Inverse Universe completely reimagines the original color for something new.



56.6590, 0.3285, 0.2603



50.1362, 0.3328, 0.2458



86.5986, 0.3252, 0.4225



18.2410, 0.3166, 0.3097



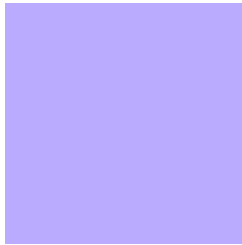
13.5376, 0.3725, 0.1826



1.3321, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 46.7849, 0.2637, 0.2333 looks on a white background.

Color Contrast Check

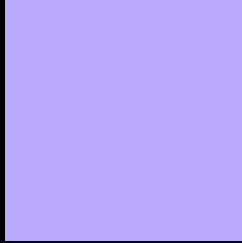
Large Text (above 18pt) WCAG AA × Fail

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 46.7849, 0.2637, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

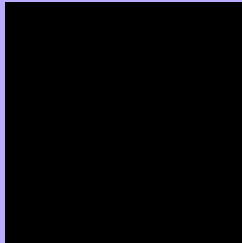
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7849, 0.2637, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 46.7849, 0.2637, 0.2333.



This preview shows how white text looks on a background with the Yxy color 46.7849, 0.2637, 0.2333.

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

46.7849, 0.2637, 0.2333

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

47.0035, 0.2474, 0.2415



Tritanopia

46.6011, 0.2955, 0.3095

Trichromacy



Original Color

46.7849, 0.2637, 0.2333

Protanomaly

46.5955, 0.2520, 0.2362

Deuteranomaly

46.9249, 0.2527, 0.2383

Tritanomaly

46.4865, 0.2833, 0.2793

Monochromacy



Original Color

46.7849, 0.2637, 0.2333

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6099, 0.2939, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7849, 0.2637, 0.2333 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(186, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 255)  
}
```

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(186, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.7849, 0.2637, 0.2333 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(186, 171, 255) }
```

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

```
.border{ border-color:rgb(186, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7849, 0.2637, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 255) }
```

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

```
.background{ background-color: rgb(186,  
171, 255) }
```

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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