

Converting Colors

$Y_{xy}(46.4131, 0.2615, 0.2328)$

Have a look what the booklet for
Yxy(46.4131, 0.2615, 0.2328)
contains.

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Color

Yxy(46.4131, 0.2615, 0.2328)

Conversions

Conversions Part 1

Format	Color
Hex	B7ABFF
RGB	183, 171, 255
RGB Percent	72%, 67%, 100%
CMY	0.2825, 0.3294, 0.0000
CMYK	0.28, 0.33, 0.00, 0.00
HSL	249°, 100%, 84%
HSV	249°, 33%, 100%
XYZ	52.1350, 46.4131, 100.8209
YIQ	184.1640, -19.8120, 28.6680

Conversions

Conversions Part 2

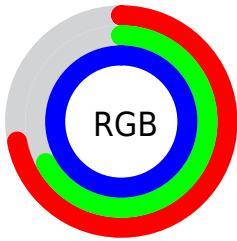
Format	Color
RYB	183, 171, 255
Decimal	12037119
CIELab	73.81, 22.17, -40.09
CIELCh	74, 45.808, 298.943
Yxy	46.4131, 0.2615, 0.2328
Android (android.graphics.Color)	4290227199 (0xFFB7ABFF)
YUV	184.1640, 34.9221, -1.0208
Hunter-Lab	68.1272, 17.3764, -40.0538

Details

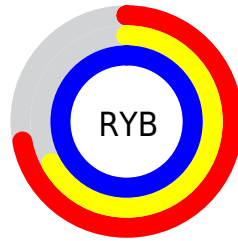
The Yxy color **46.4131, 0.2615, 0.2328** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.5245, 0.3544, 0.4139**, and the grayscale version is **47.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1380, 0.3039, 0.3000**, and **21.8601, 0.2474, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **35.2155, 0.2423, 0.1986**, and if you desaturate by 10%, it is **59.8887, 0.2792, 0.2653**.

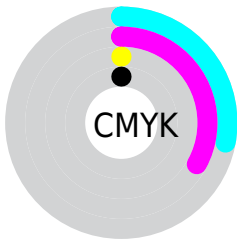
Distribution



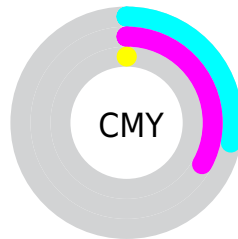
- Red (72%)
- Green (67%)
- Blue (100%)



- Red (72%)
- Yellow (67%)
- Blue (100%)



- Cyan (28%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4131, 0.2615, 0.2328 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 46.4131, 0.2615, 0.2328 by changing the saturation by 10% instead.

■ 46.4131, 0.2615,
0.2328

■ 46.4131, 0.2615,
0.2328

372.4670, 0.2871,
0.2776

■ 32.5719, 0.2553,
0.2227

■ 84.8369, 0.2707,
0.2483

■ 21.7987, 0.2474,
0.2103

110.1883, 0.2742,
0.2543

■ 13.7091, 0.2371,
0.1948

140.1453, 0.2772,
0.2595

■ 7.9186, 0.2234,
0.1751

175.0922, 0.2797,
0.2641

■ 4.0429, 0.2044,
0.1493

215.4134, 0.2820,
0.2681

■ 1.6976, 0.1767,
0.1153

261.4933, 0.2839,

■ 0.4221, 0.1364,

0.2716

0.0608

313.7164, 0.2856,
0.2748

0.0000, 0.0000,
0.0000

46.4131, 0.2615,
0.2328

46.4131, 0.2615,
0.2328

35.2155, 0.2423,
0.1986

59.8887, 0.2792,
0.2653

26.1647, 0.2224,
0.1641

75.7543, 0.2951,
0.2950

19.1236, 0.2028,
0.1316

94.1199, 0.3090,
0.3218

13.9367, 0.1850,
0.1033

100.0000, 0.3127,
0.3290

10.4258, 0.1702,
0.0817

■ 8.3762, 0.1596,
0.0680

■ 7.6002, 0.1547,
0.0626

Harmonies

Analogous

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



46.4131, 0.2189, 0.2318



46.4131, 0.2615, 0.2328



46.4131, 0.3225, 0.2540

Triad

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



46.4131, 0.2615, 0.2328



46.4131, 0.4386, 0.3863



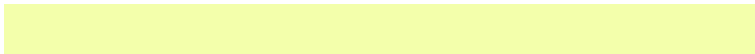
46.4131, 0.2393, 0.3673

Complementary

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



46.4131, 0.2615, 0.2328



93.5245, 0.3544, 0.4139

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.



46.4131, 0.2932, 0.4251



46.4131, 0.2615, 0.2328



46.4131, 0.4094, 0.4279

Square

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



46.4131, 0.2615, 0.2328



46.4131, 0.4312, 0.3376



46.4131, 0.3556, 0.4465



46.4131, 0.2068, 0.3020

Rectangle

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



46.4131, 0.2615, 0.2328



46.4131, 0.3664, 0.2773



46.4131, 0.3556, 0.4465



46.4131, 0.2554, 0.3891

Sweetspot

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



46.4147, 0.2615, 0.2328



80.8810, 0.2994, 0.3032



80.4620, 0.2641, 0.3165



16.7806, 0.2973, 0.2993



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.



46.4147, 0.2615, 0.2328



38.2740, 0.2481, 0.2087



52.2318, 0.2923, 0.2407



17.5017, 0.3001, 0.3046



4.0085, 0.1555, 0.0630



0.4259, 0.1638, 0.0676

Inverse Universe

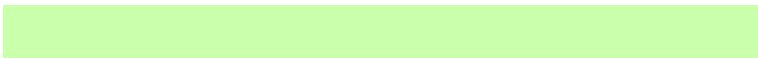
The Inverse Universe completely reimagines the original color for something new.



56.8657, 0.3259, 0.2575



50.3627, 0.3294, 0.2424



86.9909, 0.3270, 0.4219



18.2533, 0.3160, 0.3089



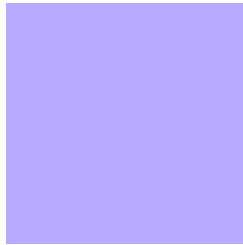
13.7905, 0.3606, 0.1760



1.3544, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 46.4131, 0.2615, 0.2328 looks on a white background.

Color Contrast Check

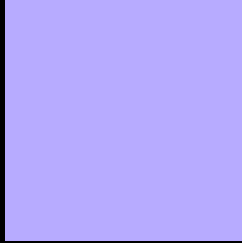
Large Text (above 18pt) WCAG AA × Fail

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 46.4131, 0.2615, 0.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

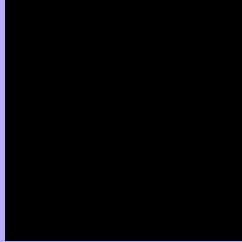
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4131, 0.2615, 0.2328

Background



This preview shows how black text looks on a background with the Yxy color 46.4131, 0.2615, 0.2328.



This preview shows how white text looks on a background with the Yxy color 46.4131, 0.2615, 0.2328.

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

46.4131, 0.2615, 0.2328

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.5001, 0.2466, 0.2401



Tritanopia

46.5561, 0.2923, 0.3107

Trichromacy



Original Color

46.4131, 0.2615, 0.2328

Protanomaly

46.3777, 0.2507, 0.2359

Deuteranomaly

46.3134, 0.2513, 0.2368

Tritanomaly

46.4161, 0.2803, 0.2801

Monochromacy



Original Color

46.4131, 0.2615, 0.2328

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0837, 0.2930, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4131, 0.2615, 0.2328 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(183, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4131, 0.2615, 0.2328 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(183, 171, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4131, 0.2615, 0.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 171, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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