

# Converting Colors

$Yxy(49.4397, 0.2372, 0.1941)$

Have a look what the booklet for  
Yxy(49.4397, 0.2372, 0.1941)  
contains.

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# Color

**Yxy(46.0367, 0.2614, 0.2316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7AAFF
RGB	183, 170, 255
RGB Percent	72%, 67%, 100%
CMY	0.2823, 0.3334, 0.0000
CMYK	0.28, 0.33, 0.00, 0.00
HSL	249°, 100%, 83%
HSV	249°, 33%, 100%
XYZ	51.9602, 46.0367, 100.7798
YIQ	183.5770, -19.5370, 29.1910

# Conversions

## Conversions Part 2

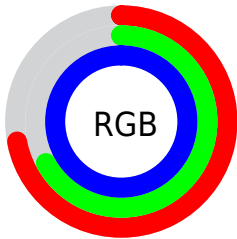
Format	Color
<a href="#">RYB</a>	<a href="#">183, 170, 255</a>
Decimal	<a href="#">12036863</a>
CIELab	<a href="#">73.57, 22.76, -40.48</a>
CIElCh	<a href="#">74, 46.440, 299.347</a>
Yxy	<a href="#">46.0367, 0.2614, 0.2316</a>
Android (android.graphics.Color)	<a href="#">4290226943 (0xFFB7AAFF)</a>
YUV	<a href="#">183.5770, 35.2115, -0.5060</a>
Hunter-Lab	<a href="#">67.8504, 17.9584, -40.5697</a>

# Details

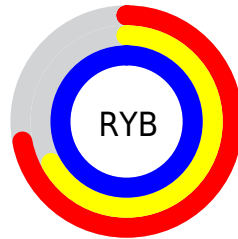
The Yxy color **46.0367, 0.2614, 0.2316** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.2939, 0.3543, 0.4151**, and the grayscale version is **47.4987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5957, 0.3039, 0.2990**, and **21.6233, 0.2472, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **34.9379, 0.2424, 0.1975**, and if you desaturate by 10%, it is **59.3954, 0.2790, 0.2641**.

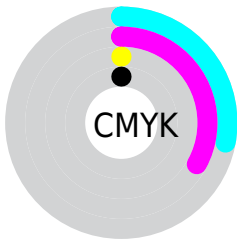
# Distribution



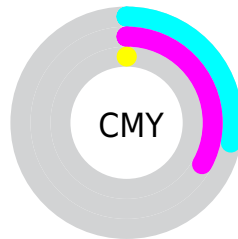
- Red (72%)
- Green (67%)
- Blue (100%)



- 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 46.0367, 0.2614, 0.2316 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 46.0367, 0.2614, 0.2316 by changing the saturation by 10% instead.





 46.0367, 0.2614,  
0.2316


 46.0367, 0.2614,  
0.2316


 370.9562, 0.2871,  
0.2769


 32.2748, 0.2551,  
0.2214


 84.2739, 0.2707,  
0.2473


 21.5715, 0.2472,  
0.2088


 109.5180, 0.2742,  
0.2534


 13.5424, 0.2369,  
0.1932


 139.3583, 0.2772,  
0.2587


 7.8031, 0.2231,  
0.1732

 174.1791, 0.2797,  
0.2633

 3.9692, 0.2039,  
0.1473

 214.3650, 0.2819,  
0.2673

 1.6563, 0.1760,  
0.1131

 260.3001, 0.2839,

 0.3951, 0.1355,

0.2709

0.0573

312.3691, 0.2856,  
0.2741

0.0000, 0.0000,  
0.0000

46.0367, 0.2614,  
0.2316

46.0367, 0.2614,  
0.2316

34.9379, 0.2424,  
0.1975

59.3954, 0.2790,  
0.2641

25.9733, 0.2226,  
0.1632

75.1307, 0.2947,  
0.2939

19.0043, 0.2032,  
0.1309

93.3506, 0.3085,  
0.3207

13.8759, 0.1855,  
0.1029

100.0000, 0.3127,  
0.3290

10.4096, 0.1708,  
0.0815

■ 8.3904, 0.1601,  
0.0680

■ 7.6530, 0.1553,  
0.0629

# Harmonies

## Analogous

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



46.0367, 0.2180, 0.2303



46.0367, 0.2614, 0.2316



46.0367, 0.3235, 0.2533

# Triad

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



46.0367, 0.2614, 0.2316



46.0367, 0.4404, 0.3876



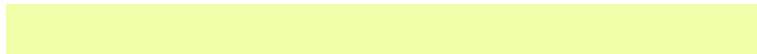
46.0367, 0.2375, 0.3670

# Complementary

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



46.0367, 0.2614, 0.2316



93.2939, 0.3543, 0.4151

# 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.



46.0367, 0.2920, 0.4263



46.0367, 0.2614, 0.2316



46.0367, 0.4102, 0.4298

# Square

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



46.0367, 0.2614, 0.2316



46.0367, 0.4335, 0.3382



46.0367, 0.3553, 0.4485



46.0367, 0.2049, 0.3006



# Rectangle

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



46.0367, 0.2614, 0.2316



46.0367, 0.3682, 0.2770



46.0367, 0.3553, 0.4485



46.0367, 0.2537, 0.3893

# Sweetspot

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



46.0365, 0.2614, 0.2316



80.9282, 0.2995, 0.3032



79.4177, 0.2634, 0.3148



16.7920, 0.2975, 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.



46.0365, 0.2614, 0.2316



38.3971, 0.2489, 0.2090



52.0139, 0.2930, 0.2398



17.5114, 0.3002, 0.3046



4.0384, 0.1562, 0.0634



0.4304, 0.1649, 0.0682



# Inverse Universe

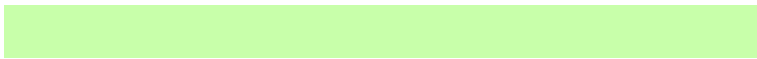
The Inverse Universe completely reimagines the original color for something new.



56.4156, 0.3269, 0.2574



50.2961, 0.3304, 0.2434



86.6663, 0.3262, 0.4234



18.2497, 0.3162, 0.3091



13.7151, 0.3640, 0.1779

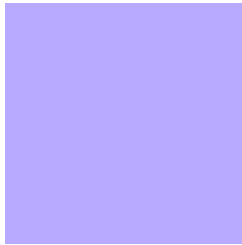


1.3478, 0.3583, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 46.0367, 0.2614, 0.2316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

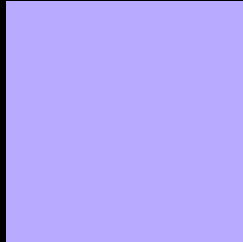
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0367, 0.2614, 0.2316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

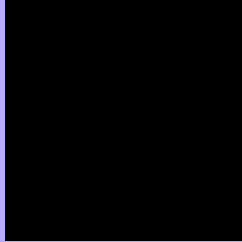
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0367, 0.2614, 0.2316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0367, 0.2614, 0.2316.



This preview shows how white text looks on a background with the Yxy color 46.0367, 0.2614, 0.2316.

# 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

46.0367, 0.2614, 0.2316

### Protanopia

46.1287, 0.2448, 0.2368

### Deuteranopia

46.3006, 0.2454, 0.2399



## Tritanopia

46.0993, 0.2930, 0.3106

# Trichromacy



## Original Color

46.0367, 0.2614, 0.2316

## Protanomaly

45.9869, 0.2506, 0.2346

## Deuteranomaly

46.2058, 0.2506, 0.2367

## Tritanomaly

45.9645, 0.2809, 0.2800

# Monochromacy



## Original Color

46.0367, 0.2614, 0.2316

## 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 46.0367, 0.2614, 0.2316 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, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 170, 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, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 170, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0367, 0.2614, 0.2316 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, 170, 255) }
```

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

```
.border{ border-color:rgb(183, 170, 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, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 170,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0367, 0.2614, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 170, 255) }
```

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

```
.background{ background-color: rgb(183,  
170, 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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