

Converting Colors

$Yxy(46.8555, 0.2647, 0.2332)$

Have a look what the booklet for
Yxy(46.8555, 0.2647, 0.2332)
contains.

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Color

Yxy(47.0372, 0.2651, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	BCABFF
RGB	188, 171, 255
RGB Percent	74%, 67%, 100%
CMY	0.2626, 0.3294, 0.0000
CMYK	0.26, 0.33, 0.00, 0.00
HSL	252°, 100%, 84%
HSV	252°, 33%, 100%
XYZ	53.3571, 47.0372, 100.8774
YIQ	185.6590, -16.8320, 29.7280

Conversions

Conversions Part 2

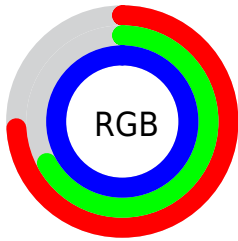
Format	Color
R _Y B	188, 171, 255
Decimal	12364799
CIE Lab	74.21, 23.61, -39.43
CIE LCh	74, 45.963, 300.916
Yxy	47.0372, 0.2651, 0.2337
Android (android.graphics.Color)	4290554879 (0xFFBCABFF)
YUV	185.6590, 34.1851, 2.0531
Hunter-Lab	68.5837, 18.8491, -39.1991

Details

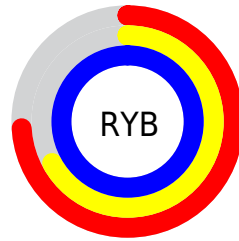
The Yxy color **47.0372, 0.2651, 0.2337** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.6312, 0.3510, 0.4149**, and the grayscale version is **48.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0252, 0.3073, 0.3003**, and **22.2574, 0.2519, 0.2119** is the 20% darker color. If you saturate the color by 10%, you get **35.9142, 0.2471, 0.2001**, and if you desaturate by 10%, it is **60.3852, 0.2816, 0.2657**.

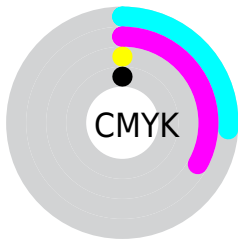
Distribution



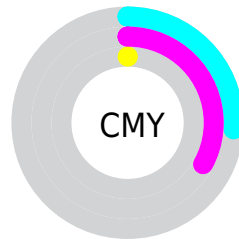
- Red (74%)
- Green (67%)
- Blue (100%)



- Red (74%)
- Yellow (67%)
- Blue (100%)



- Cyan (26%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0372, 0.2651, 0.2337 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 47.0372, 0.2651, 0.2337 by changing the saturation by 10% instead.


 47.0372, 0.2651,
0.2337

 47.0372, 0.2651,
0.2337


374.9630, 0.2890,
0.2779

 33.0651, 0.2593,
0.2237


 85.7691, 0.2737,
0.2490

 22.1763, 0.2519,
0.2115


111.2977, 0.2770,
0.2549

 13.9865, 0.2423,
0.1963


141.4473, 0.2797,
0.2601

 8.1113, 0.2294,
0.1769

176.6022, 0.2821,
0.2646

 4.1662, 0.2113,
0.1516

217.1468, 0.2842,
0.2685

 1.7670, 0.1849,
0.1180

263.4655, 0.2860,

 0.4665, 0.1459,


0.2720


0.0659


315.9428, 0.2876,
0.2751


 0.0000, 0.0000,
0.0000


 47.0372, 0.2651,
0.2337


 47.0372, 0.2651,
0.2337


 35.9142, 0.2471,
0.2001


 60.3852, 0.2816,
0.2657


 26.8890, 0.2281,
0.1664


 76.0662, 0.2964,
0.2952

 19.8289, 0.2092,
0.1344

 94.1871, 0.3093,
0.3217

 14.5836, 0.1915,
0.1066

 100.0000, 0.3127,
0.3290

 10.9806, 0.1764,
0.0849

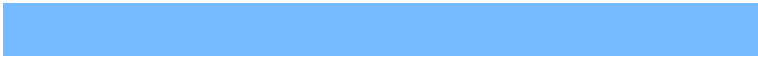
■ 8.8126, 0.1647,
0.0708

■ 7.9424, 0.1588,
0.0648

Harmonies

Analogous

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



47.0372, 0.2211, 0.2313



47.0372, 0.2651, 0.2337



47.0372, 0.3269, 0.2561

Triad

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



47.0372, 0.2651, 0.2337



47.0372, 0.4376, 0.3894



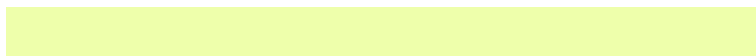
47.0372, 0.2365, 0.3628

Complementary

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



47.0372, 0.2651, 0.2337



92.6312, 0.3510, 0.4149

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.



47.0372, 0.2893, 0.4221



47.0372, 0.2651, 0.2337



47.0372, 0.4063, 0.4299

Square

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



47.0372, 0.2651, 0.2337



47.0372, 0.4328, 0.3408



47.0372, 0.3515, 0.4463



47.0372, 0.2056, 0.2982

Rectangle

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



47.0372, 0.2651, 0.2337



47.0372, 0.3705, 0.2799



47.0372, 0.3515, 0.4463



47.0372, 0.2521, 0.3848

Sweetspot

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



47.0388, 0.2651, 0.2337



81.1419, 0.3004, 0.3033



77.1422, 0.2633, 0.3102



16.8433, 0.2985, 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.



47.0388, 0.2651, 0.2337



38.9648, 0.2525, 0.2101



53.1334, 0.2966, 0.2418



17.5551, 0.3010, 0.3046



4.1997, 0.1599, 0.0655



0.4523, 0.1698, 0.0709

Inverse Universe

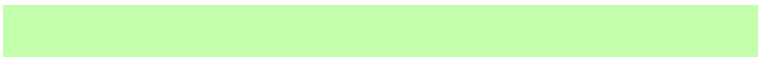
The Inverse Universe completely reimagines the original color for something new.



56.5547, 0.3301, 0.2621



50.0012, 0.3348, 0.2479



86.2221, 0.3234, 0.4230



18.2335, 0.3169, 0.3103



13.3912, 0.3801, 0.1868



1.3191, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 47.0372, 0.2651, 0.2337 looks on a white background.

Color Contrast Check

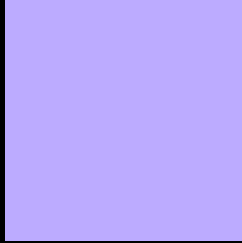
Large Text (above 18pt) WCAG AA × Fail

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 47.0372, 0.2651, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

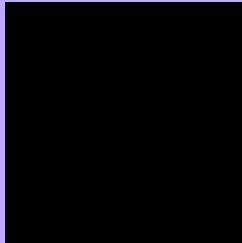
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0372, 0.2651, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 47.0372, 0.2651, 0.2337.



This preview shows how white text looks on a background with the Yxy color 47.0372, 0.2651, 0.2337.

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

47.0372, 0.2651, 0.2337

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1053, 0.2480, 0.2417



Tritanopia

47.2453, 0.2971, 0.3109

Trichromacy



Original Color

47.0372, 0.2651, 0.2337

Protanomaly

47.2103, 0.2535, 0.2377

Deuteranomaly

47.1461, 0.2541, 0.2386

Tritanomaly

47.1259, 0.2849, 0.2807

Monochromacy



Original Color

47.0372, 0.2651, 0.2337

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3157, 0.2948, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0372, 0.2651, 0.2337 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(188, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.0372, 0.2651, 0.2337 is called "border". The border property can be set on classes, ids or directly on the HTML element.

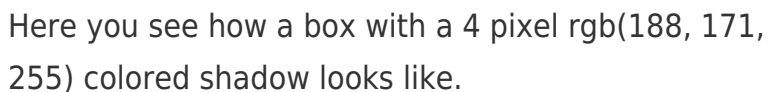
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 171, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0372, 0.2651, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 171, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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