

Converting Colors

$Y_{xy}(47.9262, 0.2638, 0.2368)$

Have a look what the booklet for
Yxy(47.9262, 0.2638, 0.2368)
contains.

Yxy(47.9312, 0.2640, 0.2368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.9312, 0.2640, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	BAAEFF
RGB	186, 174, 255
RGB Percent	73%, 68%, 100%
CMY	0.2706, 0.3176, 0.0000
CMYK	0.27, 0.32, 0.00, 0.00
HSL	249°, 100%, 84%
HSV	249°, 32%, 100%
XYZ	53.4368, 47.9312, 101.0442
YIQ	186.8220, -18.8490, 27.7350

Conversions

Conversions Part 2

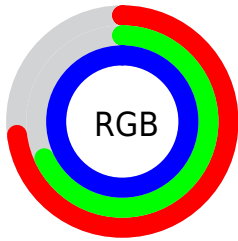
Format	Color
R_{YB}	186, 174, 255
Decimal	12234495
CIE _{Lab}	74.78, 21.37, -38.56
CIE _{LCh}	75, 44.087, 298.997
Yxy	47.9312, 0.2640, 0.2368
Android (android.graphics.Color)	4290424575 (0xFFBAAEFF)
YUV	186.8220, 33.6118, -0.7209
Hunter-Lab	69.2324, 16.6181, -38.0707

Details

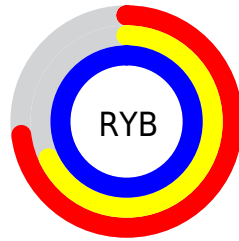
The Yxy color **47.9312, 0.2640, 0.2368** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.6296, 0.3527, 0.4109**, and the grayscale version is **49.4052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8683, 0.3058, 0.3042**, and **22.8216, 0.2507, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **36.4808, 0.2451, 0.2028**, and if you desaturate by 10%, it is **61.6687, 0.2814, 0.2689**.

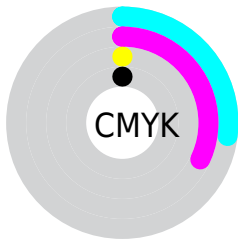
Distribution



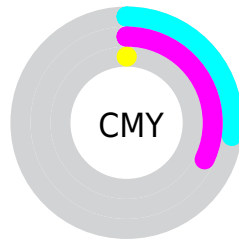
- Red (73%)
- Green (68%)
- Blue (100%)



- Red (73%)
- Yellow (68%)
- Blue (100%)



- Cyan (27%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9312, 0.2640, 0.2368 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 47.9312, 0.2640, 0.2368 by changing the saturation by 10% instead.

 47.9312, 0.2640,
0.2368

 47.9312, 0.2640,
0.2368

378.5194, 0.2883,
0.2797

 33.7724, 0.2581,
0.2271


 87.1020, 0.2727,
0.2516

 22.7188, 0.2507,
0.2152

112.8827, 0.2760,
0.2574

 14.3860, 0.2410,
0.2004


143.3062, 0.2788,
0.2624

 8.3896, 0.2281,
0.1815

178.7569, 0.2813,
0.2667

 4.3453, 0.2101,
0.1567

219.6192, 0.2834,
0.2706

 1.8685, 0.1839,
0.1236

266.2774, 0.2852,


 0.5293, 0.1448,


0.2739


0.0738

319.1160, 0.2868,
0.2770


 0.0000, 0.0000,
0.0000


 47.9312, 0.2640,
0.2368


 47.9312, 0.2640,
0.2368

 36.4808, 0.2451,
0.2028


 61.6687, 0.2814,
0.2689


 27.1875, 0.2253,
0.1683


 77.8033, 0.2969,
0.2983

 19.9164, 0.2057,
0.1355

 96.4441, 0.3105,
0.3247

 14.5148, 0.1876,
0.1066

 100.0000, 0.3127,
0.3290

 10.8082, 0.1723,
0.0841

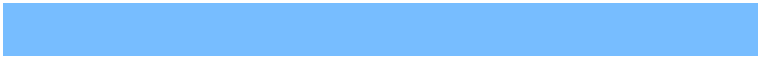
■ 8.5882, 0.1611,
0.0694

■ 7.6282, 0.1550,
0.0628

Harmonies

Analogous

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



47.9312, 0.2230, 0.2360



47.9312, 0.2640, 0.2368



47.9312, 0.3223, 0.2572

Triad

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



47.9312, 0.2640, 0.2368



47.9312, 0.4328, 0.3845



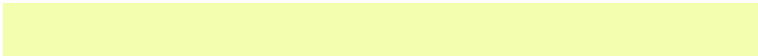
47.9312, 0.2426, 0.3654

Complementary

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



47.9312, 0.2640, 0.2368



93.6296, 0.3527, 0.4109

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.



47.9312, 0.2943, 0.4200



47.9312, 0.2640, 0.2368



47.9312, 0.4052, 0.4238

Square

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



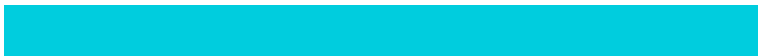
47.9312, 0.2640, 0.2368



47.9312, 0.4256, 0.3377



47.9312, 0.3539, 0.4407



47.9312, 0.2113, 0.3035

Rectangle

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



47.9312, 0.2640, 0.2368



47.9312, 0.3641, 0.2796



47.9312, 0.3539, 0.4407



47.9312, 0.2581, 0.3859

Sweetspot

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



47.9329, 0.2640, 0.2368



80.9065, 0.2995, 0.3032



81.0408, 0.2657, 0.3170



16.7868, 0.2974, 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.



47.9329, 0.2640, 0.2368



40.5310, 0.2523, 0.2157



53.5487, 0.2932, 0.2440



17.5069, 0.3002, 0.3046



4.0244, 0.1559, 0.0632



0.4283, 0.1644, 0.0679

Inverse Universe

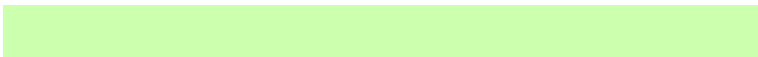
The Inverse Universe completely reimagines the original color for something new.



58.0035, 0.3258, 0.2604



52.0770, 0.3289, 0.2471



87.3712, 0.3266, 0.4182



18.2514, 0.3161, 0.3090



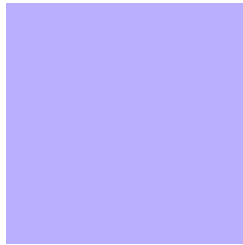
13.7496, 0.3624, 0.1770



1.3508, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 47.9312, 0.2640, 0.2368 looks on a white background.

Color Contrast Check

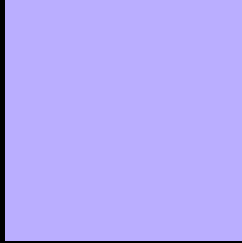
Large Text (above 18pt) WCAG AA × Fail

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 47.9312, 0.2640, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

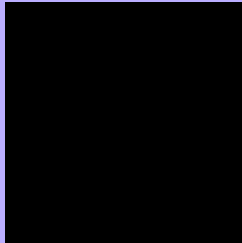
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9312, 0.2640, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 47.9312, 0.2640, 0.2368.



This preview shows how white text looks on a background with the Yxy color 47.9312, 0.2640, 0.2368.

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

47.9312, 0.2640, 0.2368

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

48.2291, 0.2503, 0.2445



Tritanopia

47.9820, 0.2934, 0.3097

Trichromacy



Original Color

47.9312, 0.2640, 0.2368

Protanomaly

47.6068, 0.2536, 0.2389

Deuteranomaly

48.0539, 0.2550, 0.2412

Tritanomaly

47.7988, 0.2822, 0.2808

Monochromacy



Original Color

47.9312, 0.2640, 0.2368

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7742, 0.2941, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9312, 0.2640, 0.2368 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.9312, 0.2640, 0.2368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

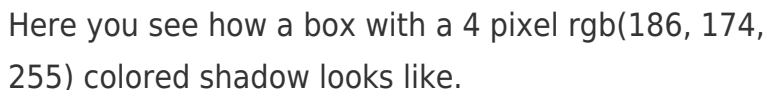
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 174, 255) }
```

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

```
.border{ border-color:rgb(186, 174, 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, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 174, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 174, 255); box-shadow:4px 4px 4px 4px rgb(186, 174, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9312, 0.2640, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 174, 255) }
```

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

```
.background{ background-color: rgb(186,  
174, 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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