

Converting Colors

$Y_{xy}(47.7262, 0.2606, 0.2399)$

Have a look what the booklet for
Yxy(47.7262, 0.2606, 0.2399)
contains.

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Color

Yxy(47.7262, 0.2606, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	B3B0FD
RGB	179, 176, 253
RGB Percent	70%, 69%, 99%
CMY	0.2979, 0.3098, 0.0080
CMYK	0.29, 0.30, 0.00, 0.01
HSL	242°, 95%, 84%
HSV	242°, 30%, 99%
XYZ	51.8443, 47.7262, 99.3716
YIQ	185.6750, -22.9290, 24.5830

Conversions

Conversions Part 2

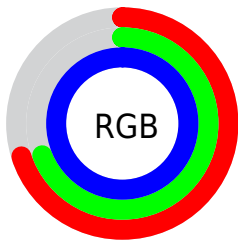
Format	Color
RYB	179, 176, 253
Decimal	11776253
CIELab	74.65, 17.79, -37.70
CIElCh	75, 41.688, 295.260
Yxy	47.7262, 0.2606, 0.2399
Android (android.graphics.Color)	4289966333 (0xFFB3B0FD)
YUV	185.6750, 33.1912, -5.8540
Hunter-Lab	69.0842, 13.0583, -36.9246

Details

The Yxy color **47.7262, 0.2606, 0.2399** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.6693, 0.3567, 0.4058**, and the grayscale version is **48.7351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7661, 0.3012, 0.3059**, and **22.6859, 0.2464, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **36.0699, 0.2399, 0.2050**, and if you desaturate by 10%, it is **61.7446, 0.2798, 0.2725**.

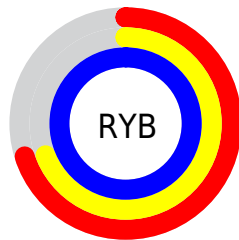
Distribution



Red (70%)

Green (69%)

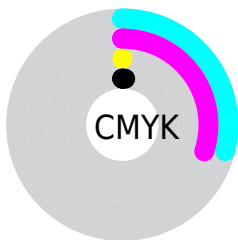
Blue (99%)



Red (70%)

Yellow (69%)

Blue (99%)

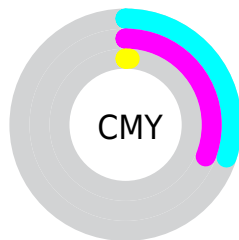


Cyan (29%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (30%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7262, 0.2606, 0.2399 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 47.7262, 0.2606, 0.2399 by changing the saturation by 10% instead.

■ 47.7262, 0.2606,
0.2399

■ 47.7262, 0.2606,
0.2399

377.7058, 0.2864,
0.2816

■ 33.6101, 0.2544,
0.2304

■ 86.7966, 0.2699,
0.2544

■ 22.5942, 0.2465,
0.2187

112.5197, 0.2734,
0.2600

■ 14.2942, 0.2363,
0.2041

142.8806, 0.2764,
0.2649

■ 8.3256, 0.2227,
0.1853

178.2637, 0.2789,
0.2691

■ 4.3040, 0.2039,
0.1605

219.0534, 0.2812,
0.2728

■ 1.8450, 0.1765,
0.1271

265.6340, 0.2831,

■ 0.5150, 0.1362,

0.2761


0.0757

318.3900, 0.2849,
0.2790


 0.0000, 0.0000,
0.0000

 47.7262, 0.2606,
0.2399


 47.7262, 0.2606,
0.2399

 36.0699, 0.2399,
0.2050


 61.7446, 0.2798,
0.2725


 26.6405, 0.2186,
0.1694


 78.2392, 0.2970,
0.3019

 19.2976, 0.1980,
0.1353

 97.3234, 0.3121,
0.3280

 13.8829, 0.1796,
0.1053

 99.8691, 0.3139,
0.3309

 10.2152, 0.1651,
0.0820

■ 8.0789, 0.1554,
0.0672

■ 7.1533, 0.1508,
0.0605

Harmonies

Analogous

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



47.7262, 0.2239, 0.2419



47.7262, 0.2606, 0.2399



47.7262, 0.3146, 0.2572

Triad

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



47.7262, 0.2606, 0.2399



47.7262, 0.4277, 0.3769



47.7262, 0.2516, 0.3708

Complementary

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



47.7262, 0.2606, 0.2399



93.6693, 0.3567, 0.4058

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.



47.7262, 0.3025, 0.4192



47.7262, 0.2606, 0.2399



47.7262, 0.4055, 0.4155

Square

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



47.7262, 0.2606, 0.2399



47.7262, 0.4162, 0.3321



47.7262, 0.3590, 0.4344



47.7262, 0.2187, 0.3120

Rectangle

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



47.7262, 0.2606, 0.2399



47.7262, 0.3543, 0.2776



47.7262, 0.3590, 0.4344



47.7262, 0.2670, 0.3895

Sweetspot

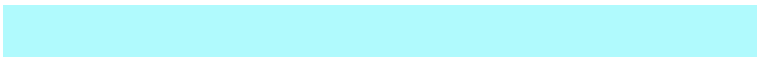
The Sweet Spot groups the original color and five complimentary colors.



47.7281, 0.2606, 0.2399



82.2771, 0.2993, 0.3058



84.9347, 0.2685, 0.3261



17.0411, 0.2969, 0.3018



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.



47.7281, 0.2606, 0.2399



40.5186, 0.2471, 0.2171



52.8994, 0.2883, 0.2465



17.4118, 0.2985, 0.3044



3.8212, 0.1512, 0.0606



0.3835, 0.1539, 0.0622

Inverse Universe

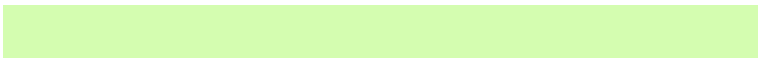
The Inverse Universe completely reimagines the original color for something new.



58.8240, 0.3186, 0.2558



53.6108, 0.3200, 0.2403



87.3426, 0.3311, 0.4127



18.2873, 0.3144, 0.3065



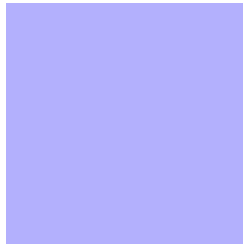
14.5581, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 47.7262, 0.2606, 0.2399 looks on a white background.

Color Contrast Check

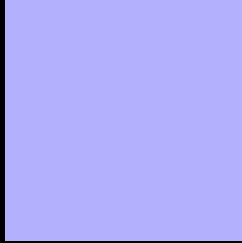
Large Text (above 18pt) WCAG AA × Fail

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 47.7262, 0.2606, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

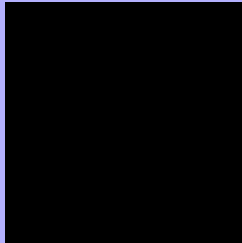
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7262, 0.2606, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 47.7262, 0.2606, 0.2399.

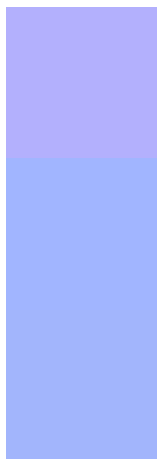


This preview shows how white text looks on a background with the Yxy color 47.7262, 0.2606, 0.2399.

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

47.7262, 0.2606, 0.2399

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

47.7574, 0.2506, 0.2443



Tritanopia

47.6597, 0.2873, 0.3094

Trichromacy



Original Color

47.7262, 0.2606, 0.2399

Protanomaly

47.7208, 0.2531, 0.2408

Deuteranomaly

47.5933, 0.2542, 0.2427

Tritanomaly

47.3939, 0.2770, 0.2813

Monochromacy



Original Color

47.7262, 0.2606, 0.2399

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.1763, 0.2923, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7262, 0.2606, 0.2399 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(179, 176, 253)` looks like.

```
.text, #text, p{  
    color:rgb(179, 176, 253)  
}
```

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(179, 176, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 176, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.7262, 0.2606, 0.2399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

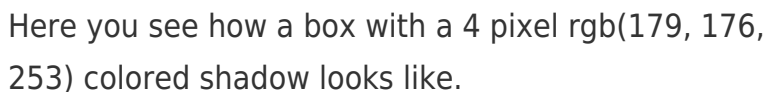
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 176, 253) }
```

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

```
.border{ border-color:rgb(179, 176, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 176, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 176, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 176, 253); box-shadow:4px 4px 4px 4px rgb(179, 176, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7262, 0.2606, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 176, 253) }
```

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

```
.background{ background-color: rgb(179,  
176, 253) }
```

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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