

Converting Colors

$Yxy(48.2604, 0.2691, 0.2448)$

Have a look what the booklet for
Yxy(48.2604, 0.2691, 0.2448)
contains.

Yxy(48.0643, 0.2685, 0.2439)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0643, 0.2685, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	BBAFF9
RGB	187, 175, 249
RGB Percent	73%, 69%, 98%
CMY	0.2668, 0.3136, 0.0236
CMYK	0.25, 0.30, 0.00, 0.02
HSL	250°, 86%, 83%
HSV	250°, 30%, 98%
XYZ	52.9121, 48.0643, 96.0892
YIQ	187.0240, -16.6020, 25.5580

Conversions

Conversions Part 2

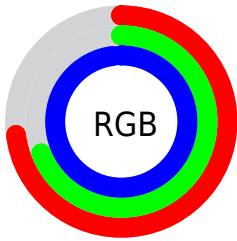
Format	Color
RYB	187, 175, 249
Decimal	12300281
CIELab	74.87, 19.65, -35.17
CIELCh	75, 40.292, 299.196
Yxy	48.0643, 0.2685, 0.2439
Android (android.graphics.Color)	4290490361 (0xFFBBAFF9)
YUV	187.0240, 30.5542, -0.0210
Hunter-Lab	69.3284, 14.9082, -33.6460

Details

The Yxy color **48.0643, 0.2685, 0.2439** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **88.8410, 0.3494, 0.4055**, and the grayscale version is **49.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6049, 0.3065, 0.3053**, and **22.8772, 0.2563, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **36.8065, 0.2501, 0.2104**, and if you desaturate by 10%, it is **61.4953, 0.2852, 0.2754**.

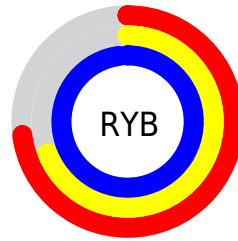
Distribution



Red (73%)

Green (69%)

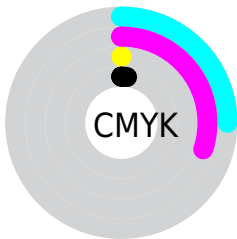
Blue (98%)



Red (73%)

Yellow (69%)

Blue (98%)

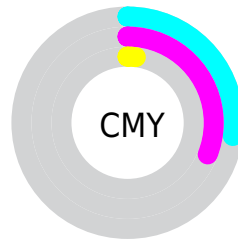


Cyan (25%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (27%)


Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0643, 0.2685, 0.2439 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 48.0643, 0.2685, 0.2439 by changing the saturation by 10% instead.

 48.0643, 0.2685,
0.2439

 48.0643, 0.2685,
0.2439

379.0469, 0.2906,
0.2837

 33.8778, 0.2631,
0.2348


 87.3001, 0.2765,
0.2577

 22.7997, 0.2563,
0.2236


113.1183, 0.2795,
0.2631

 14.4457, 0.2474,
0.2095


143.5824, 0.2820,
0.2677

 8.4313, 0.2354,
0.1914


179.0769, 0.2842,
0.2718

 4.3722, 0.2185,
0.1674

219.9863, 0.2861,
0.2753

 1.8838, 0.1935,
0.1347

266.6948, 0.2878,

 0.5386, 0.1554,

0.2784

0.0836

319.5869, 0.2893,
0.2812

0.0000, 0.0000,
0.0000

48.0643, 0.2685,
0.2439

48.0643, 0.2685,
0.2439

36.8065, 0.2501,
0.2104

61.4953, 0.2852,
0.2754

27.6014, 0.2307,
0.1760

77.2001, 0.3001,
0.3041

20.3256, 0.2111,
0.1428

95.2797, 0.3131,
0.3297

14.8396, 0.1926,
0.1131

99.6179, 0.3162,
0.3348

10.9852, 0.1766,
0.0891

■ 8.5754, 0.1643,
0.0725

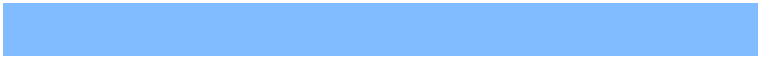
■ 7.3219, 0.1561,
0.0634

■ 7.2933, 0.1559,
0.0632

Harmonies

Analogous

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



48.0643, 0.2303, 0.2433



48.0643, 0.2685, 0.2439



48.0643, 0.3222, 0.2629

Triad

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



48.0643, 0.2685, 0.2439



48.0643, 0.4226, 0.3811



48.0643, 0.2484, 0.3619

Complementary

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



48.0643, 0.2685, 0.2439



88.8410, 0.3494, 0.4055

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.



48.0643, 0.2960, 0.4110



48.0643, 0.2685, 0.2439



48.0643, 0.3976, 0.4165

Square

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



48.0643, 0.2685, 0.2439



48.0643, 0.4158, 0.3380



48.0643, 0.3507, 0.4306



48.0643, 0.2192, 0.3059

Rectangle

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



48.0643, 0.2685, 0.2439



48.0643, 0.3601, 0.2839



48.0643, 0.3507, 0.4306



48.0643, 0.2626, 0.3803

Sweetspot

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



48.0662, 0.2685, 0.2439



82.7526, 0.3011, 0.3060



77.0341, 0.2684, 0.3165



17.1571, 0.2990, 0.3020



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.



48.0662, 0.2685, 0.2439



42.9536, 0.2570, 0.2228



53.2082, 0.2957, 0.2502



16.7776, 0.3004, 0.3046



3.9444, 0.1568, 0.0638



0.4029, 0.1662, 0.0689

Inverse Universe

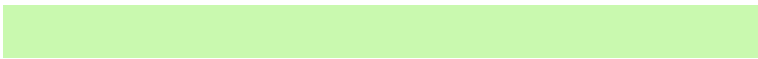
The Inverse Universe completely reimagines the original color for something new.



56.9191, 0.3255, 0.2659



53.8270, 0.3289, 0.2524



83.2356, 0.3250, 0.4119



17.4736, 0.3163, 0.3093



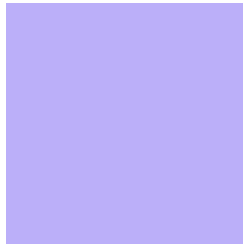
13.2568, 0.3666, 0.1793



1.2403, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 48.0643, 0.2685, 0.2439 looks on a white background.

Color Contrast Check

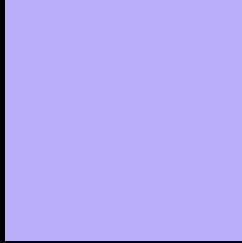
Large Text (above 18pt) WCAG AA × Fail

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 48.0643, 0.2685, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

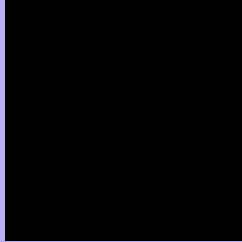
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0643, 0.2685, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 48.0643, 0.2685, 0.2439.



This preview shows how white text looks on a background with the Yxy color 48.0643, 0.2685, 0.2439.

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

48.0643, 0.2685, 0.2439

Protanopia

48.3982, 0.2504, 0.2437

Deuteranopia

48.4487, 0.2562, 0.2503



Tritanopia

48.1686, 0.2957, 0.3110

Trichromacy



Original Color

48.0643, 0.2685, 0.2439

Protanomaly

48.0391, 0.2568, 0.2433

Deuteranomaly

48.0162, 0.2605, 0.2476

Tritanomaly

47.8813, 0.2858, 0.2844

Monochromacy



Original Color

48.0643, 0.2685, 0.2439

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0849, 0.2955, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0643, 0.2685, 0.2439 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(187, 175, 249)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 249)  
}
```

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(187, 175, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 249) }
```

Border

The CSS property to change the border of an element to Yxy 48.0643, 0.2685, 0.2439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

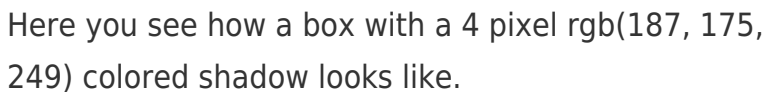
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 175, 249) }
```

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

```
.border{ border-color:rgb(187, 175, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 175, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 175, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 175, 249); box-shadow:4px 4px 4px 4px rgb(187, 175, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0643, 0.2685, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 249) }
```

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

```
.background{ background-color: rgb(187,  
175, 249) }
```

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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