

Converting Colors

$Y_{xy}(49.0291, 0.2668, 0.2393)$

Have a look what the booklet for
Yxy(49.0291, 0.2668, 0.2393)
contains.

Yxy(49.2178, 0.2670, 0.2398)	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(49.2178, 0.2670, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	BEB0FF
RGB	190, 176, 255
RGB Percent	75%, 69%, 100%
CMY	0.2551, 0.3097, 0.0000
CMYK	0.26, 0.31, 0.00, 0.00
HSL	251°, 100%, 85%
HSV	251°, 31%, 100%
XYZ	54.8005, 49.2178, 101.2269
YIQ	189.1920, -17.0150, 27.5370

Conversions

Conversions Part 2

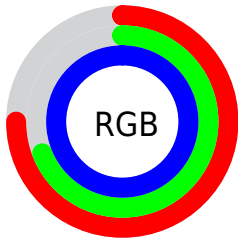
Format	Color
R_{YB}	190, 176, 255
Decimal	12497151
CIE _{Lab}	75.59, 21.38, -37.29
CIE _{LCh}	76, 42.985, 299.830
Yxy	49.2178, 0.2670, 0.2398
Android (android.graphics.Color)	4290687231 (0xFFBEB0FF)
YUV	189.1920, 32.4433, 0.7086
Hunter-Lab	70.1554, 16.6597, -36.4405

Details

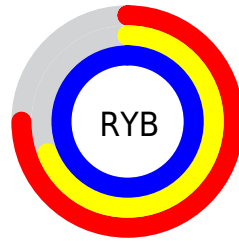
The Yxy color **49.2178, 0.2670, 0.2398** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.3702, 0.3502, 0.4092**, and the grayscale version is **50.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7074, 0.3084, 0.3064**, and **23.3940, 0.2544, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **37.6278, 0.2487, 0.2062**, and if you desaturate by 10%, it is **63.0784, 0.2837, 0.2715**.

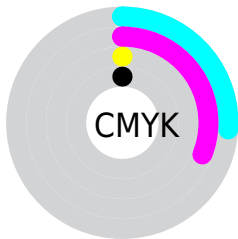
Distribution



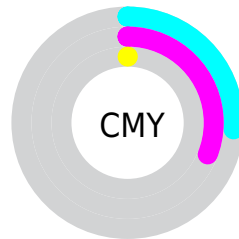
- Red (75%)
- Green (69%)
- Blue (100%)



- Red (75%)
- Yellow (69%)
- Blue (100%)



- Cyan (26%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2178, 0.2670, 0.2398 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 49.2178, 0.2670, 0.2398 by changing the saturation by 10% instead.

■ 49.2178, 0.2670,
0.2398

■ 49.2178, 0.2670,
0.2398

383.5991, 0.2897,
0.2812

■ 34.7923, 0.2615,
0.2305

■ 89.0148, 0.2752,
0.2541

■ 23.5029, 0.2545,
0.2190

115.1552, 0.2783,
0.2597

■ 14.9653, 0.2455,
0.2047

145.9692, 0.2809,
0.2645

■ 8.7950, 0.2334,
0.1864

181.8414, 0.2832,
0.2687

■ 4.6077, 0.2165,
0.1624

223.1561, 0.2851,
0.2724

■ 2.0190, 0.1917,
0.1302

270.2976, 0.2869,

■ 0.6185, 0.1542,

0.2756

0.0837

323.6505, 0.2884,
0.2786

0.0000, 0.0220,
0.0000

0.0000, 0.0000,
0.0000

49.2178, 0.2670,
0.2398

49.2178, 0.2670,
0.2398

37.6278, 0.2487,
0.2062

63.0784, 0.2837,
0.2715

28.1824, 0.2294,
0.1720

79.3183, 0.2986,
0.3006

20.7493, 0.2101,
0.1392

98.0441, 0.3116,
0.3266

15.1799, 0.1919,
0.1102

100.0000, 0.3127,
0.3290

■ 11.3042, 0.1762,
0.0871

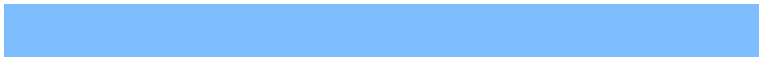
■ 8.9207, 0.1642,
0.0716

■ 7.7767, 0.1568,
0.0637

Harmonies

Analogous

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



49.2178, 0.2265, 0.2386



49.2178, 0.2670, 0.2398



49.2178, 0.3238, 0.2601

Triad

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



49.2178, 0.2670, 0.2398



49.2178, 0.4286, 0.3843



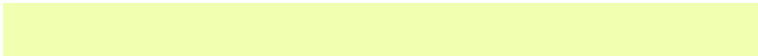
49.2178, 0.2438, 0.3625

Complementary

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



49.2178, 0.2670, 0.2398



93.3702, 0.3502, 0.4092

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.



49.2178, 0.2936, 0.4155



49.2178, 0.2670, 0.2398



49.2178, 0.4012, 0.4217

Square

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



49.2178, 0.2670, 0.2398



49.2178, 0.4224, 0.3390



49.2178, 0.3513, 0.4368



49.2178, 0.2139, 0.3031

Rectangle

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



49.2178, 0.2670, 0.2398



49.2178, 0.3640, 0.2822



49.2178, 0.3513, 0.4368



49.2178, 0.2586, 0.3823

Sweetspot

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



49.2191, 0.2670, 0.2398



82.8105, 0.3013, 0.3060



79.8600, 0.2664, 0.3144



17.1713, 0.2993, 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.



49.2191, 0.2670, 0.2398



41.9676, 0.2561, 0.2197



54.8838, 0.2958, 0.2468



17.5316, 0.3006, 0.3046



4.1078, 0.1578, 0.0643



0.4401, 0.1671, 0.0694

Inverse Universe

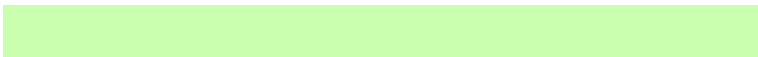
The Inverse Universe completely reimagines the original color for something new.



58.6750, 0.3271, 0.2642



52.8224, 0.3306, 0.2516



87.2606, 0.3246, 0.4162



18.2422, 0.3165, 0.3096



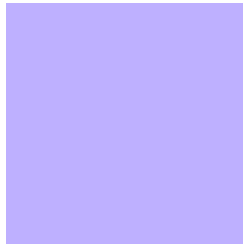
13.5616, 0.3713, 0.1819



1.3342, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 49.2178, 0.2670, 0.2398 looks on a white background.

Color Contrast Check

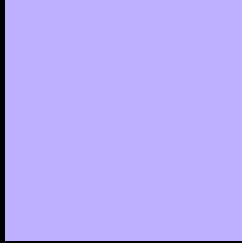
Large Text (above 18pt) WCAG AA × Fail

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 49.2178, 0.2670, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

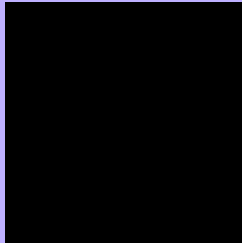
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2178, 0.2670, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 49.2178, 0.2670, 0.2398.



This preview shows how white text looks on a background with the Yxy color 49.2178, 0.2670, 0.2398.

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

49.2178, 0.2670, 0.2398

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.4798, 0.2531, 0.2475



Tritanopia

49.0382, 0.2966, 0.3100

Trichromacy



Original Color

49.2178, 0.2670, 0.2398

Protanomaly

49.2664, 0.2567, 0.2431

Deuteranomaly

49.3175, 0.2579, 0.2442

Tritanomaly

48.8667, 0.2853, 0.2814

Monochromacy



Original Color

49.2178, 0.2670, 0.2398

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.9039, 0.2950, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2178, 0.2670, 0.2398 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(190, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 176, 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(190, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2178, 0.2670, 0.2398 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(190, 176, 255) }
```

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

```
.border{ border-color:rgb(190, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2178, 0.2670, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 176, 255) }
```

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

```
.background{ background-color: rgb(190,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor