

Converting Colors

$Yxy(48.2885, 0.2613, 0.2454)$

Have a look what the booklet for
Yxy(48.2885, 0.2613, 0.2454)
contains.

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Color

Yxy(48.0900, 0.2612, 0.2448)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B1B2FA |
| RGB | 177, 178, 250 |
| RGB Percent | 69%, 70%, 98% |
| CMY | 0.3058, 0.3020, 0.0195 |
| CMYK | 0.29, 0.29, 0.00, 0.02 |
| HSL | 239°, 88%, 84% |
| HSV | 239°, 29%, 98% |
| XYZ | 51.3117, 48.0900, 97.0444 |
| YIQ | 185.9090, -23.7080, 22.1800 |

Conversions

Conversions Part 2

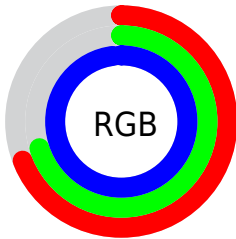
| Format | Color |
|-------------------------------------|--|
| RYB | 177, 178, 250 |
| Decimal | 11645690 |
| CIELab | 74.88, 15.40, -35.78 |
| CIELCh | 75, 38.951, 293.281 |
| Yxy | 48.0900, 0.2612, 0.2448 |
| Android (android.graphics.Color) | 4289835770 (0xFFB1B2FA) |
| YUV | 185.9090, 31.5969, -7.8132 |
| Hunter-Lab | 69.3470, 10.7199, -34.4278 |

Details

The Yxy color **48.0900, 0.2612, 0.2448** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **91.2813, 0.3572, 0.4013**, and the grayscale version is **48.8811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5581, 0.2999, 0.3079**, and **22.6551, 0.2470, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **36.4716, 0.2402, 0.2103**, and if you desaturate by 10%, it is **62.0145, 0.2807, 0.2768**.

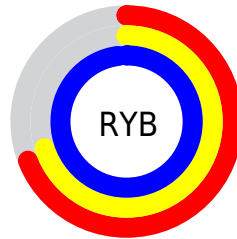
Distribution



Red (69%)

Green (70%)

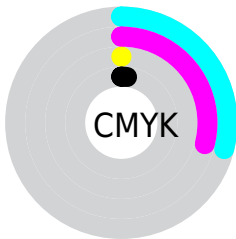
Blue (98%)



Red (69%)

Yellow (70%)

Blue (98%)

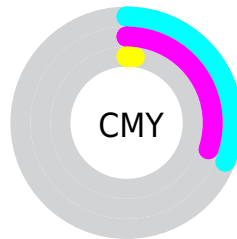


Cyan (29%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (30%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0900, 0.2612, 0.2448 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 48.0900, 0.2612, 0.2448 by changing the saturation by 10% instead.

■ 48.0900, 0.2612,
0.2448

■ 48.0900, 0.2612,
0.2448

379.1488, 0.2866,
0.2844

■ 33.8982, 0.2551,
0.2357

■ 87.3384, 0.2703,
0.2586

■ 22.8154, 0.2473,
0.2245

113.1637, 0.2738,
0.2639

■ 14.4572, 0.2373,
0.2104

143.6357, 0.2767,
0.2686

■ 8.4394, 0.2239,
0.1922

179.1387, 0.2793,
0.2726

■ 4.3774, 0.2053,
0.1680

220.0571, 0.2815,
0.2761

■ 1.8868, 0.1781,
0.1350

266.7753, 0.2834,


■ 0.5404, 0.1377,

0.2792


0.0836


319.6777, 0.2851,
0.2819

 0.0000, 0.0000,
0.0000


 48.0900, 0.2612,
0.2448

 48.0900, 0.2612,
0.2448


 36.4716, 0.2402,
0.2103


 62.0145, 0.2807,
0.2768


 27.0295, 0.2185,
0.1747


 78.3541, 0.2984,
0.3056

 19.6302, 0.1976,
0.1401

 97.2178, 0.3139,
0.3309

 14.1227, 0.1791,
0.1093

 99.6840, 0.3156,
0.3337

 10.3355, 0.1645,
0.0849

■ 8.0660, 0.1549,
0.0688

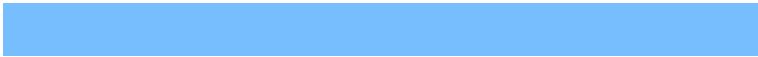
■ 7.0329, 0.1504,
0.0610

■ 6.9775, 0.1502,
0.0606

Harmonies

Analogous

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



48.0900, 0.2278, 0.2482



48.0900, 0.2612, 0.2448



48.0900, 0.3110, 0.2600

Triad

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



48.0900, 0.2612, 0.2448



48.0900, 0.4203, 0.3718



48.0900, 0.2584, 0.3714

Complementary

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



48.0900, 0.2612, 0.2448



91.2813, 0.3572, 0.4013

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.



48.0900, 0.3070, 0.4145



48.0900, 0.2612, 0.2448



48.0900, 0.4018, 0.4083

Square

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



48.0900, 0.2612, 0.2448



48.0900, 0.4072, 0.3296



48.0900, 0.3597, 0.4268



48.0900, 0.2260, 0.3169

Rectangle

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



48.0900, 0.2612, 0.2448



48.0900, 0.3480, 0.2787



48.0900, 0.3597, 0.4268



48.0900, 0.2733, 0.3883

Sweetspot

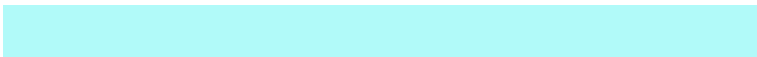
The Sweet Spot groups the original color and five complimentary colors.



48.0919, 0.2612, 0.2448



82.3007, 0.2987, 0.3061



84.5660, 0.2710, 0.3302



17.0468, 0.2962, 0.3021



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.



48.0919, 0.2612, 0.2448



42.9222, 0.2491, 0.2249



52.3937, 0.2867, 0.2495



16.6806, 0.2979, 0.3048



3.7166, 0.1502, 0.0608



0.3571, 0.1508, 0.0629

Inverse Universe

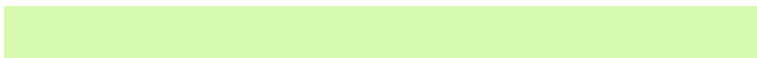
The Inverse Universe completely reimagines the original color for something new.



54.9915, 0.3771, 0.3281



51.2301, 0.3957, 0.3280



85.9719, 0.3328, 0.4083



17.2290, 0.3292, 0.3287



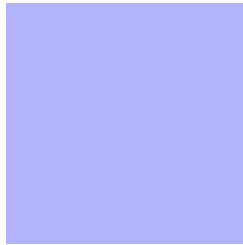
10.7861, 0.6387, 0.3292



1.0003, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 48.0900, 0.2612, 0.2448 looks on a white background.

Color Contrast Check

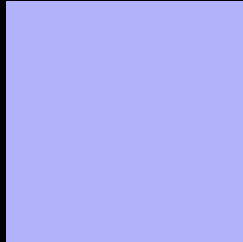
Large Text (above 18pt) WCAG AA × Fail

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 48.0900, 0.2612, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

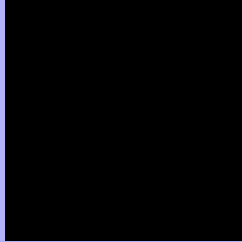
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0900, 0.2612, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 48.0900, 0.2612, 0.2448.



This preview shows how white text looks on a background with the Yxy color 48.0900, 0.2612, 0.2448.

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

48.0900, 0.2612, 0.2448

Protanopia

48.3343, 0.2509, 0.2447

Deuteranopia

48.2948, 0.2544, 0.2490



Tritanopia

48.0204, 0.2859, 0.3094

Trichromacy



Original Color

48.0900, 0.2612, 0.2448

Protanomaly

48.4009, 0.2545, 0.2452

Deuteranomaly

48.3223, 0.2568, 0.2483

Tritanomaly

48.0534, 0.2771, 0.2850

Monochromacy



Original Color

48.0900, 0.2612, 0.2448

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.5377, 0.2931, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0900, 0.2612, 0.2448 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(177, 178, 250)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 250)  
}
```

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(177, 178, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 250) }
```

Border

The CSS property to change the border of an element to Yxy 48.0900, 0.2612, 0.2448 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(177, 178, 250) }
```

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

```
.border{ border-color:rgb(177, 178, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 178, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 178, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 178, 250); box-shadow:4px 4px 4px 4px rgb(177, 178, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0900, 0.2612, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 250) }
```

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

```
.background{ background-color: rgb(177,  
178, 250) }
```

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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