

Converting Colors

$Y_{xy}(48.5225, 0.2695, 0.2472)$

Have a look what the booklet for
Yxy(48.5225, 0.2695, 0.2472)
contains.

Yxy(48.7245, 0.2700, 0.2482)	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(48.7245, 0.2700, 0.2482)

Conversions

Conversions Part 1

Format	Color
Hex	BBB1F7
RGB	187, 177, 247
RGB Percent	73%, 69%, 97%
CMY	0.2666, 0.3059, 0.0315
CMYK	0.24, 0.28, 0.00, 0.03
HSL	249°, 81%, 83%
HSV	249°, 28%, 97%
XYZ	53.0041, 48.7245, 94.5829
YIQ	187.9700, -16.5100, 23.8900

Conversions

Conversions Part 2

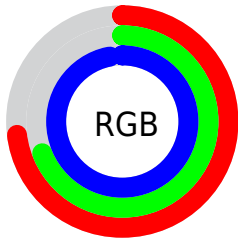
Format	Color
RYB	187, 177, 247
Decimal	12300791
CIELab	75.28, 18.11, -33.45
CIELCh	75, 38.038, 298.427
Yxy	48.7245, 0.2700, 0.2482
Android (android.graphics.Color)	4290490871 (0xFFBBB1F7)
YUV	187.9700, 29.1018, -0.8507
Hunter-Lab	69.8029, 13.3869, -31.4758

Details

The Yxy color **48.7245, 0.2700, 0.2482** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6745, 0.3486, 0.4017**, and the grayscale version is **50.1126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7309, 0.3064, 0.3073**, and **23.0385, 0.2580, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **37.3614, 0.2515, 0.2147**, and if you desaturate by 10%, it is **62.2502, 0.2868, 0.2794**.

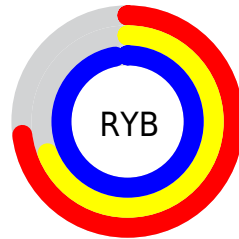
Distribution



Red (73%)

Green (69%)

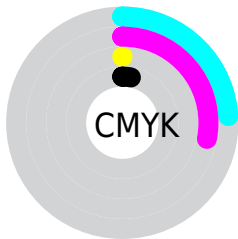
Blue (97%)



Red (73%)

Yellow (69%)

Blue (97%)

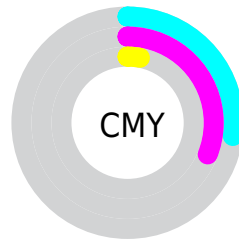


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7245, 0.2700, 0.2482 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 48.7245, 0.2700, 0.2482 by changing the saturation by 10% instead.

■ 48.7245, 0.2700,
0.2482

■ 48.7245, 0.2700,
0.2482

381.6567, 0.2913,
0.2861

■ 34.4010, 0.2648,
0.2395

■ 88.2821, 0.2777,
0.2614

■ 23.2018, 0.2582,
0.2288

114.2851, 0.2806,
0.2665

■ 14.7426, 0.2497,
0.2153

144.9499, 0.2830,
0.2709

■ 8.6389, 0.2381,
0.1978

180.6610, 0.2851,
0.2748

■ 4.5064, 0.2218,
0.1745

221.8029, 0.2870,
0.2781

■ 1.9607, 0.1976,
0.1425

268.7599, 0.2886,

■ 0.5845, 0.1602,

0.2811

0.0929

321.9164, 0.2900,
0.2837

0.0000, 0.0000,
0.0000

48.7245, 0.2700,
0.2482

48.7245, 0.2700,
0.2482

37.3614, 0.2515,
0.2147

62.2502, 0.2868,
0.2794

28.0426, 0.2319,
0.1802

78.0367, 0.3018,
0.3078

20.6474, 0.2120,
0.1465

96.1836, 0.3148,
0.3330

15.0400, 0.1932,
0.1160

99.4936, 0.3174,
0.3367

11.0663, 0.1768,
0.0911

■ 8.5461, 0.1642,
0.0735

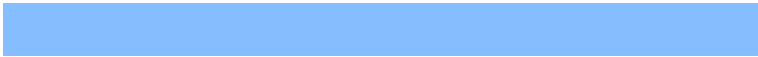
■ 7.2325, 0.1558,
0.0638

■ 7.0775, 0.1548,
0.0626

Harmonies

Analogous

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



48.7245, 0.2342, 0.2483



48.7245, 0.2700, 0.2482



48.7245, 0.3204, 0.2658

Triad

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



48.7245, 0.2700, 0.2482



48.7245, 0.4163, 0.3777



48.7245, 0.2531, 0.3613

Complementary

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



48.7245, 0.2700, 0.2482



87.6745, 0.3486, 0.4017

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.



48.7245, 0.2985, 0.4065



48.7245, 0.2700, 0.2482



48.7245, 0.3938, 0.4110

Square

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



48.7245, 0.2700, 0.2482



48.7245, 0.4090, 0.3369



48.7245, 0.3501, 0.4243



48.7245, 0.2249, 0.3089

Rectangle

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



48.7245, 0.2700, 0.2482



48.7245, 0.3561, 0.2856



48.7245, 0.3501, 0.4243



48.7245, 0.2668, 0.3783

Sweetspot

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



48.7264, 0.2700, 0.2482



84.5023, 0.3022, 0.3086



77.0019, 0.2704, 0.3185



17.5025, 0.3001, 0.3046



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.



48.7264, 0.2700, 0.2482



45.1257, 0.2596, 0.2292



53.5806, 0.2958, 0.2539



16.0405, 0.3001, 0.3047



3.7799, 0.1557, 0.0631



0.3663, 0.1650, 0.0683

Inverse Universe

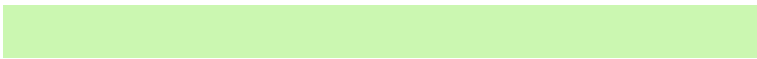
The Inverse Universe completely reimagines the original color for something new.



57.3257, 0.3238, 0.2677



55.8221, 0.3265, 0.2552



82.3269, 0.3252, 0.4074



16.7251, 0.3160, 0.3090



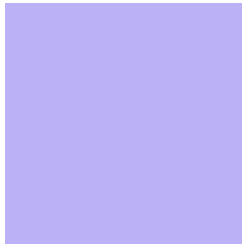
12.9782, 0.3608, 0.1761



1.1516, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 48.7245, 0.2700, 0.2482 looks on a white background.

Color Contrast Check

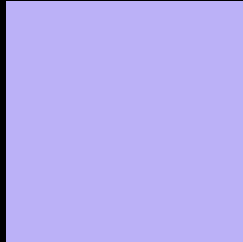
Large Text (above 18pt) WCAG AA × Fail

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 48.7245, 0.2700, 0.2482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

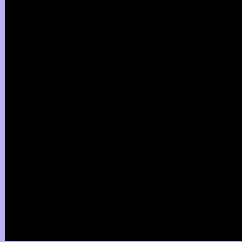
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7245, 0.2700, 0.2482

Background



This preview shows how black text looks on a background with the Yxy color 48.7245, 0.2700, 0.2482.



This preview shows how white text looks on a background with the Yxy color 48.7245, 0.2700, 0.2482.

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

48.7245, 0.2700, 0.2482

Protanopia

48.9390, 0.2541, 0.2483

Deuteranopia

48.6558, 0.2594, 0.2527



Tritanopia

48.7998, 0.2950, 0.3099

Trichromacy



Original Color

48.7245, 0.2700, 0.2482

Protanomaly

48.9485, 0.2596, 0.2480

Deuteranomaly

48.5264, 0.2632, 0.2511

Tritanomaly

48.7527, 0.2852, 0.2858

Monochromacy



Original Color

48.7245, 0.2700, 0.2482

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5758, 0.2971, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7245, 0.2700, 0.2482 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, 177, 247)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 247)  
}
```

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, 177, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.7245, 0.2700, 0.2482 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, 177, 247) }
```

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

```
.border{ border-color:rgb(187, 177, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 247);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7245, 0.2700, 0.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 247) }
```

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

```
.background{ background-color: rgb(187,  
177, 247) }
```

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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