

Converting Colors

$Yxy(49.8509, 0.2648, 0.2493)$

Have a look what the booklet for
Yxy(49.8509, 0.2648, 0.2493)
contains.

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Color

Yxy(49.8950, 0.2650, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	B6B5FA
RGB	182, 181, 250
RGB Percent	71%, 71%, 98%
CMY	0.2865, 0.2901, 0.0196
CMYK	0.27, 0.28, 0.00, 0.02
HSL	241°, 87%, 85%
HSV	241°, 28%, 98%
XYZ	53.0585, 49.8950, 97.2672
YIQ	189.1650, -21.5530, 21.6710

Conversions

Conversions Part 2

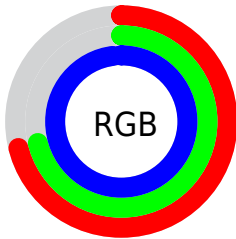
Format	Color
R _Y B	182, 181, 250
Decimal	11974138
CIE Lab	76.00, 15.12, -33.99
CIE LCh	76, 37.202, 293.985
Yxy	49.8950, 0.2650, 0.2492
Android (android.graphics.Color)	4290164218 (0xFFB6B5FA)
YUV	189.1650, 29.9917, -6.2837
Hunter-Lab	70.6364, 10.4665, -32.1976

Details

The Yxy color **49.8950, 0.2650, 0.2492** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.8547, 0.3539, 0.3983**, and the grayscale version is **50.8193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1391, 0.3031, 0.3111**, and **23.8006, 0.2520, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **37.8827, 0.2443, 0.2147**, and if you desaturate by 10%, it is **64.2641, 0.2841, 0.2811**.

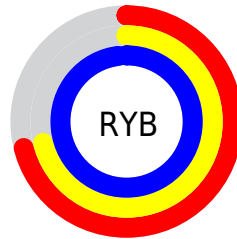
Distribution



Red (71%)

Green (71%)

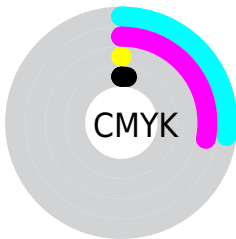
Blue (98%)



Red (71%)

Yellow (71%)

Blue (98%)

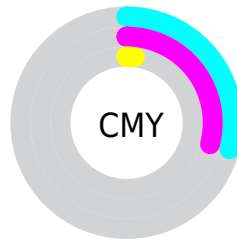


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (2%)



Cyan (29%)


Magenta (29%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8950, 0.2650, 0.2492 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 49.8950, 0.2650, 0.2492 by changing the saturation by 10% instead.


 49.8950, 0.2650,
0.2492

 49.8950, 0.2650,
0.2492

386.2552, 0.2885,
0.2866

 35.3300, 0.2593,
0.2406


 90.0193, 0.2734,
0.2622

 23.9172, 0.2522,
0.2301

116.3473, 0.2766,
0.2673

 15.2722, 0.2430,
0.2167


147.3652, 0.2793,
0.2716

 9.0106, 0.2307,
0.1995

183.4572, 0.2817,
0.2754

 4.7481, 0.2135,
0.1766

225.0078, 0.2837,
0.2787

 2.1002, 0.1884,
0.1451

272.4015, 0.2855,

 0.6648, 0.1500,

0.2817

0.0986

326.0224, 0.2871,
0.2843

0.0000, 0.0000,
0.0000

49.8950, 0.2650,
0.2492

49.8950, 0.2650,
0.2492

37.8827, 0.2443,
0.2147

64.2641, 0.2841,
0.2811

28.0959, 0.2227,
0.1788

81.1001, 0.3012,
0.3096

20.3997, 0.2015,
0.1438

99.6815, 0.3156,
0.3338

14.6422, 0.1824,
0.1123

10.6506, 0.1669,
0.0869

■ 8.2222, 0.1564,
0.0699

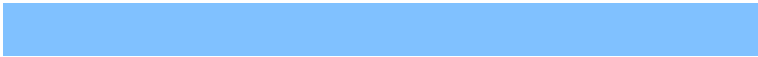
■ 7.0923, 0.1511,
0.0615

■ 6.9230, 0.1503,
0.0602

Harmonies

Analogous

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



49.8950, 0.2327, 0.2522



49.8950, 0.2650, 0.2492



49.8950, 0.3125, 0.2640

Triad

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



49.8950, 0.2650, 0.2492



49.8950, 0.4142, 0.3709



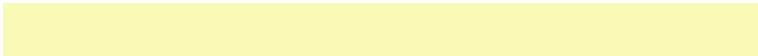
49.8950, 0.2606, 0.3678

Complementary

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



49.8950, 0.2650, 0.2492



91.8547, 0.3539, 0.3983

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.



49.8950, 0.3064, 0.4085



49.8950, 0.2650, 0.2492



49.8950, 0.3963, 0.4049

Square

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



49.8950, 0.2650, 0.2492



49.8950, 0.4024, 0.3308



49.8950, 0.3563, 0.4212



49.8950, 0.2301, 0.3167

Rectangle

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



49.8950, 0.2650, 0.2492



49.8950, 0.3473, 0.2820



49.8950, 0.3563, 0.4212



49.8950, 0.2746, 0.3836

Sweetspot

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



49.8970, 0.2650, 0.2492



84.0482, 0.3005, 0.3085



85.0928, 0.2725, 0.3289



17.3893, 0.2980, 0.3044



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.



49.8970, 0.2650, 0.2492



45.0565, 0.2539, 0.2307



54.4828, 0.2893, 0.2544



16.6540, 0.2981, 0.3045



3.6773, 0.1504, 0.0602



0.3443, 0.1514, 0.0608

Inverse Universe

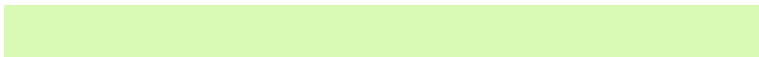
The Inverse Universe completely reimagines the original color for something new.



60.2235, 0.3166, 0.2610



57.4772, 0.3174, 0.2477



86.2258, 0.3310, 0.4037



17.5204, 0.3140, 0.3059



14.3336, 0.3243, 0.1560



1.3288, 0.3238, 0.1558

Previews

White Background



This preview shows how the Yxy color 49.8950, 0.2650, 0.2492 looks on a white background.

Color Contrast Check

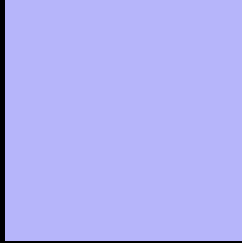
Large Text (above 18pt) WCAG AA × Fail

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 49.8950, 0.2650, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

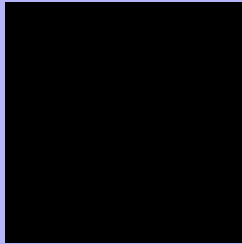
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8950, 0.2650, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 49.8950, 0.2650, 0.2492.

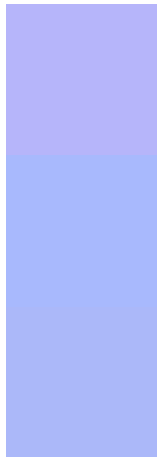


This preview shows how white text looks on a background with the Yxy color 49.8950, 0.2650, 0.2492.

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

49.8950, 0.2650, 0.2492

Protanopia

50.1146, 0.2546, 0.2490

Deuteranopia

49.7785, 0.2586, 0.2522



Tritanopia

50.1189, 0.2885, 0.3098

Trichromacy



Original Color

49.8950, 0.2650, 0.2492

Protanomaly

50.1935, 0.2582, 0.2495

Deuteranomaly

49.8205, 0.2611, 0.2516

Tritanomaly

49.9912, 0.2797, 0.2870

Monochromacy



Original Color

49.8950, 0.2650, 0.2492

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.2601, 0.2941, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8950, 0.2650, 0.2492 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(182, 181, 250)` looks like.

```
.text, #text, p{  
    color:rgb(182, 181, 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(182, 181, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 181, 250) }
```

Border

The CSS property to change the border of an element to Yxy 49.8950, 0.2650, 0.2492 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(182, 181, 250) }
```

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

```
.border{ border-color:rgb(182, 181, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 181, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 181, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 181, 250);  
box-shadow:4px 4px 4px 4px rgb(182, 181,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8950, 0.2650, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 181, 250) }
```

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

```
.background{ background-color: rgb(182,  
181, 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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