

Converting Colors

$Y_{xy}(49.0940, 0.2832, 0.2576)$

Have a look what the booklet for
Yxy(49.0940, 0.2832, 0.2576)
contains.

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Color

Yxy(49.0940, 0.2832, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	C5B0EE
RGB	197, 176, 238
RGB Percent	77%, 69%, 93%
CMY	0.2276, 0.3097, 0.0667
CMYK	0.17, 0.26, 0.00, 0.07
HSL	260°, 65%, 81%
HSV	260°, 26%, 93%
XYZ	53.9729, 49.0940, 87.5154
YIQ	189.3470, -7.3860, 23.7340

Conversions

Conversions Part 2

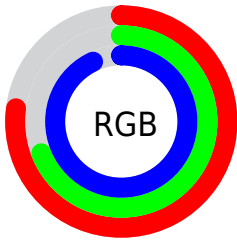
Format	Color
R _Y B	197, 176, 238
Decimal	12955886
CIE Lab	75.51, 19.61, -28.18
CIE LCh	76, 34.329, 304.832
Yxy	49.0940, 0.2832, 0.2576
Android (android.graphics.Color)	4291145966 (0xFFC5B0EE)
YUV	189.3470, 23.9859, 6.7117
Hunter-Lab	70.0671, 14.8816, -25.0076

Details

The Yxy color $49.0940, 0.2832, 0.2576$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $79.0436, 0.3371, 0.3974$, and the grayscale version is $50.9591, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.0041, 0.3131, 0.3068$, and $23.2941, 0.2742, 0.2394$ is the 20% darker color. If you saturate the color by 10%, you get $38.5483, 0.2690, 0.2264$, and if you desaturate by 10%, it is $61.5024, 0.2958, 0.2870$.

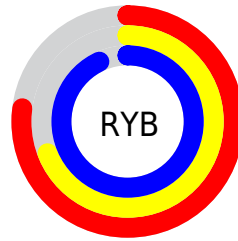
Distribution



Red (77%)

Green (69%)

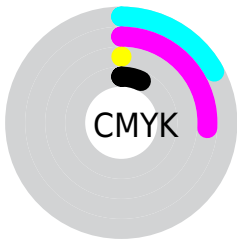
Blue (93%)



Red (77%)

Yellow (69%)

Blue (93%)

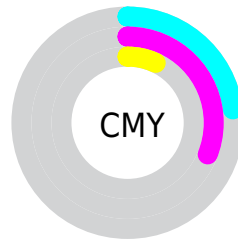


Cyan (17%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (23%)


Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0940, 0.2832, 0.2576 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 49.0940, 0.2832, 0.2576 by changing the saturation by 10% instead.

 49.0940, 0.2832,
0.2576

 49.0940, 0.2832,
0.2576

383.1123, 0.2981,
0.2912

 34.6941, 0.2795,
0.2498


 88.8310, 0.2886,
0.2693

 23.4273, 0.2747,
0.2402


114.9369, 0.2907,
0.2739

 14.9093, 0.2685,
0.2280


145.7136, 0.2924,
0.2778

 8.7558, 0.2599,
0.2121

181.5454, 0.2939,
0.2812

 4.5822, 0.2475,
0.1906

222.8168, 0.2951,
0.2842

 2.0043, 0.2283,
0.1603

269.9121, 0.2963,

 0.6100, 0.1970,

0.2868

0.1115

323.2158, 0.2972,
0.2891

0.0000, 0.0041,
0.0000

0.0000, 0.0000,
0.0000

49.0940, 0.2832,
0.2576

49.0940, 0.2832,
0.2576

38.5483, 0.2690,
0.2264

61.5024, 0.2958,
0.2870

29.7669, 0.2534,
0.1943

75.8530, 0.3068,
0.3140

22.6515, 0.2369,
0.1628

92.2281, 0.3163,
0.3383

17.0916, 0.2202,
0.1336

98.9527, 0.3226,
0.3454

■ 12.9626, 0.2042,
0.1085

■ 10.1197, 0.1897,
0.0893

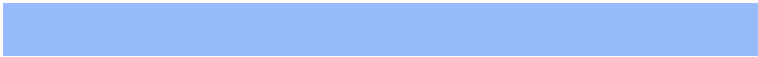
■ 8.3849, 0.1778,
0.0767

■ 7.8942, 0.1737,
0.0730

Harmonies

Analogous

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



49.0940, 0.2470, 0.2542



49.0940, 0.2832, 0.2576



49.0940, 0.3302, 0.2768

Triad

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



49.0940, 0.2832, 0.2576



49.0940, 0.4040, 0.3811



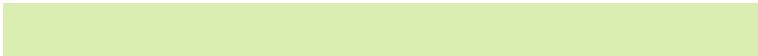
49.0940, 0.2519, 0.3480

Complementary

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



49.0940, 0.2832, 0.2576



79.0436, 0.3371, 0.3974

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.



49.0940, 0.2906, 0.3911



49.0940, 0.2832, 0.2576



49.0940, 0.3790, 0.4077

Square

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



49.0940, 0.2832, 0.2576



49.0940, 0.4031, 0.3448



49.0940, 0.3372, 0.4134



49.0940, 0.2300, 0.3023

Rectangle

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



49.0940, 0.2832, 0.2576



49.0940, 0.3615, 0.2964



49.0940, 0.3372, 0.4134



49.0940, 0.2633, 0.3636

Sweetspot

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



49.0960, 0.2832, 0.2576



85.1948, 0.3048, 0.3088



65.2054, 0.2724, 0.3049



17.6758, 0.3032, 0.3048



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.



49.0960, 0.2832, 0.2576



50.8976, 0.2762, 0.2419



53.6719, 0.3074, 0.2625



15.4881, 0.3032, 0.3050



4.4680, 0.1752, 0.0739



0.4244, 0.1895, 0.0817

Inverse Universe

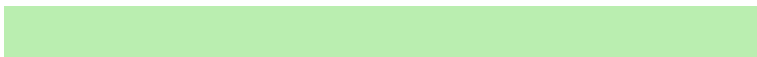
The Inverse Universe completely reimagines the original color for something new.



54.2493, 0.3326, 0.2849



57.9095, 0.3375, 0.2760



74.7647, 0.3160, 0.4021



15.9354, 0.3190, 0.3135



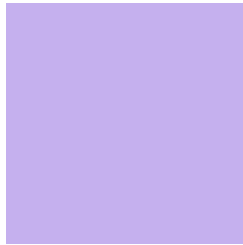
11.5363, 0.4290, 0.2137



0.9782, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 49.0940, 0.2832, 0.2576 looks on a white background.

Color Contrast Check

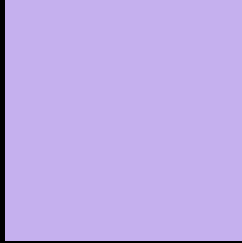
Large Text (above 18pt) WCAG AA × Fail

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 49.0940, 0.2832, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

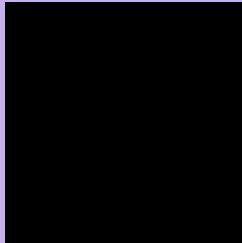
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0940, 0.2832, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 49.0940, 0.2832, 0.2576.



This preview shows how white text looks on a background with the Yxy color 49.0940, 0.2832, 0.2576.

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

49.0940, 0.2832, 0.2576

Protanopia

49.3587, 0.2608, 0.2572

Deuteranopia

49.4464, 0.2704, 0.2644



Tritanopia

48.8913, 0.3069, 0.3103

Trichromacy



Original Color

49.0940, 0.2832, 0.2576

Protanomaly

49.1619, 0.2685, 0.2570

Deuteranomaly

49.0712, 0.2752, 0.2616

Tritanomaly

48.7841, 0.2981, 0.2890

Monochromacy



Original Color

49.0940, 0.2832, 0.2576

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.9924, 0.3017, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0940, 0.2832, 0.2576 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(197, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(197, 176, 238)  
}
```

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(197, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 176, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.0940, 0.2832, 0.2576 is called "border". The border property can be set on classes, ids or directly on the HTML element.

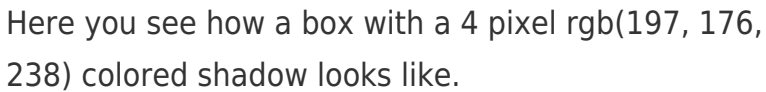
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 176, 238) }
```

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

```
.border{ border-color:rgb(197, 176, 238) }
```

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



Here you see how a box with a 4 pixel rgb(197, 176, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 176, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 176, 238);  
box-shadow:4px 4px 4px 4px rgb(197, 176,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0940, 0.2832, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 176, 238) }
```

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

```
.background{ background-color: rgb(197,  
176, 238) }
```

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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