

Converting Colors

$Y_{xy}(49.4433, 0.2777, 0.2440)$

Have a look what the booklet for
Yxy(49.4433, 0.2777, 0.2440)
contains.

Yxy(49.4536, 0.2773, 0.2440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.4536, 0.2773, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	C8AEFA
RGB	200, 174, 250
RGB Percent	78%, 68%, 98%
CMY	0.2158, 0.3176, 0.0196
CMYK	0.20, 0.30, 0.00, 0.02
HSL	260°, 88%, 83%
HSV	260°, 30%, 98%
XYZ	56.2028, 49.4536, 97.0223
YIQ	190.4380, -8.9000, 29.1480

Conversions

Conversions Part 2

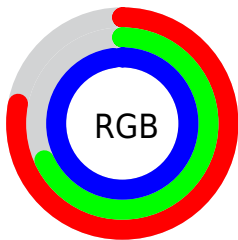
Format	Color
R _Y B	200, 174, 250
Decimal	13151994
CIE Lab	75.73, 24.27, -34.30
CIE LCh	76, 42.017, 305.287
Yxy	49.4536, 0.2773, 0.2440
Android (android.graphics.Color)	4291342074 (0xFFC8AEFA)
YUV	190.4380, 29.3641, 8.3859
Hunter-Lab	70.3233, 19.5927, -32.5739

Details

The Yxy color **49.4536, 0.2773, 0.2440** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **87.2812, 0.3409, 0.4099**, and the grayscale version is **51.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **23.5447, 0.2675, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **38.5317, 0.2625, 0.2122**, and if you desaturate by 10%, it is **62.4211, 0.2906, 0.2743**.

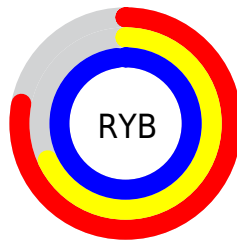
Distribution



Red (78%)

Green (68%)

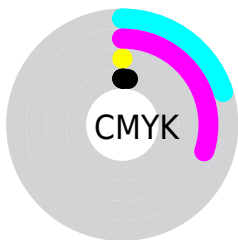
Blue (98%)



Red (78%)

Yellow (68%)

Blue (98%)

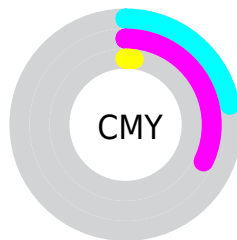


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (22%)


Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4536, 0.2773, 0.2440 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 49.4536, 0.2773, 0.2440 by changing the saturation by 10% instead.

 49.4536, 0.2773,
0.2440

 49.4536, 0.2773,
0.2440


384.5253, 0.2952,
0.2834

 34.9794, 0.2729,
0.2351


 89.3648, 0.2838,
0.2576

 23.6470, 0.2673,
0.2241


115.5706, 0.2862,
0.2629

 15.0720, 0.2599,
0.2104


146.4557, 0.2883,
0.2675

 8.8699, 0.2499,
0.1928

182.4046, 0.2901,
0.2715

 4.6564, 0.2357,
0.1696

223.8016, 0.2916,
0.2750

 2.0471, 0.2143,
0.1381

271.0311, 0.2930,

 0.6346, 0.1805,

0.2781

0.0918

324.4776, 0.2941,
0.2809

0.0000, 0.0611,
0.0000

0.0000, 0.0000,
0.0000

49.4536, 0.2773,
0.2440

49.4536, 0.2773,
0.2440

38.5317, 0.2625,
0.2122

62.4211, 0.2906,
0.2743

29.5419, 0.2465,
0.1802

77.5277, 0.3023,
0.3025

22.3683, 0.2298,
0.1494

94.8684, 0.3124,
0.3281

16.8800, 0.2133,
0.1218

99.6819, 0.3156,
0.3338

■ 12.9276, 0.1979,
0.0992

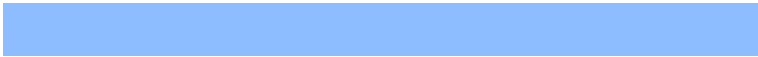
■ 10.3338, 0.1845,
0.0830

■ 8.8508, 0.1740,
0.0732

Harmonies

Analogous

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



49.4536, 0.2341, 0.2392



49.4536, 0.2773, 0.2440



49.4536, 0.3345, 0.2669

Triad

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



49.4536, 0.2773, 0.2440



49.4536, 0.4233, 0.3909



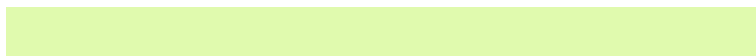
49.4536, 0.2384, 0.3508

Complementary

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



49.4536, 0.2773, 0.2440



87.2812, 0.3409, 0.4099

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.



49.4536, 0.2843, 0.4056



49.4536, 0.2773, 0.2440



49.4536, 0.3917, 0.4245

Square

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



49.4536, 0.2773, 0.2440



49.4536, 0.4235, 0.3472



49.4536, 0.3404, 0.4331



49.4536, 0.2132, 0.2946

Rectangle

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



49.4536, 0.2773, 0.2440



49.4536, 0.3729, 0.2901



49.4536, 0.3404, 0.4331



49.4536, 0.2518, 0.3706

Sweetspot

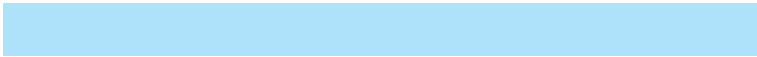
The Sweet Spot groups the original color and five complimentary colors.



49.4556, 0.2773, 0.2440



83.4670, 0.3038, 0.3061



69.5752, 0.2656, 0.3002



17.3320, 0.3022, 0.3023



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.



49.4556, 0.2773, 0.2440



45.0277, 0.2691, 0.2262



55.2431, 0.3062, 0.2509



16.9311, 0.3032, 0.3049



4.7660, 0.1755, 0.0741



0.4974, 0.1884, 0.0811

Inverse Universe

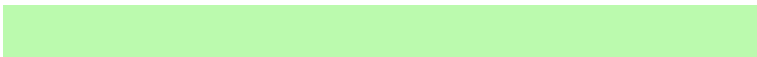
The Inverse Universe completely reimagines the original color for something new.



55.9871, 0.3371, 0.2775



52.8883, 0.3431, 0.2677



81.9505, 0.3163, 0.4164



17.4179, 0.3191, 0.3135



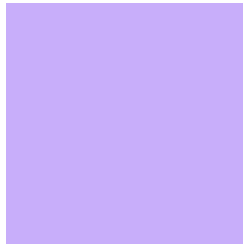
12.2423, 0.4308, 0.2147



1.1537, 0.4142, 0.2055

Previews

White Background



This preview shows how the Yxy color 49.4536, 0.2773, 0.2440 looks on a white background.

Color Contrast Check

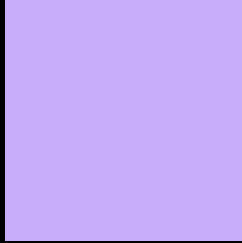
Large Text (above 18pt) WCAG AA × Fail

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 49.4536, 0.2773, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

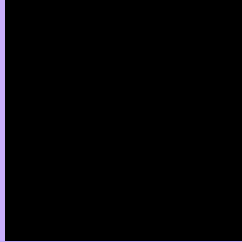
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4536, 0.2773, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 49.4536, 0.2773, 0.2440.

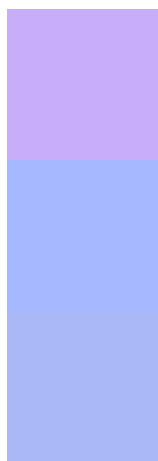


This preview shows how white text looks on a background with the Yxy color 49.4536, 0.2773, 0.2440.

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

49.4536, 0.2773, 0.2440

Protanopia

49.6080, 0.2520, 0.2456

Deuteranopia

49.7162, 0.2592, 0.2532



Tritanopia

49.4809, 0.3070, 0.3104

Trichromacy



Original Color

49.4536, 0.2773, 0.2440

Protanomaly

49.1993, 0.2604, 0.2444

Deuteranomaly

49.4272, 0.2655, 0.2490

Tritanomaly

49.1738, 0.2952, 0.2834

Monochromacy



Original Color

49.4536, 0.2773, 0.2440

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.5038, 0.2996, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4536, 0.2773, 0.2440 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(200, 174, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 174, 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(200, 174, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 174, 250) }
```

Border

The CSS property to change the border of an element to Yxy 49.4536, 0.2773, 0.2440 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(200, 174, 250) }
```

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

```
.border{ border-color:rgb(200, 174, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 174, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 174, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 174, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 174,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4536, 0.2773, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 174, 250) }
```

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

```
.background{ background-color: rgb(200,  
174, 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](#).

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