

Converting Colors

Yxy(49.5814, 0.2625, 0.2423)

Have a look what the booklet for
Yxy(49.5814, 0.2625, 0.2423)
contains.

Yxy(49.5275, 0.2625, 0.2421)	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(49.5275, 0.2625, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	B7B3FF
RGB	183, 179, 255
RGB Percent	72%, 70%, 100%
CMY	0.2823, 0.2980, 0.0000
CMYK	0.28, 0.30, 0.00, 0.00
HSL	243°, 100%, 85%
HSV	243°, 30%, 100%
XYZ	53.7008, 49.5275, 101.3462
YIQ	188.8600, -22.0120, 24.4840

Conversions

Conversions Part 2

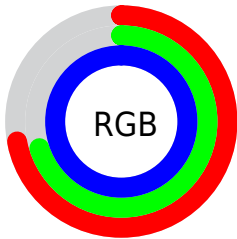
Format	Color
R _Y B	183, 179, 255
Decimal	12039167
CIE Lab	75.78, 17.75, -37.04
CIE LCh	76, 41.071, 295.611
Yxy	49.5275, 0.2625, 0.2421
Android (android.graphics.Color)	4290229247 (0xFFB7B3FF)
YUV	188.8600, 32.6070, -5.1392
Hunter-Lab	70.3758, 13.0483, -36.1189

Details

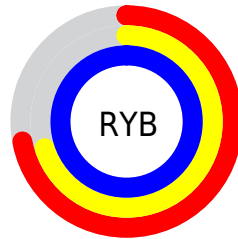
The Yxy color **49.5275, 0.2625, 0.2421** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.2825, 0.3552, 0.4044**, and the grayscale version is **50.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1619, 0.3038, 0.3091**, and **23.5881, 0.2488, 0.2210** is the 20% darker color. If you saturate the color by 10%, you get **37.5226, 0.2421, 0.2075**, and if you desaturate by 10%, it is **63.9330, 0.2813, 0.2744**.

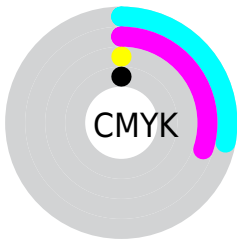
Distribution



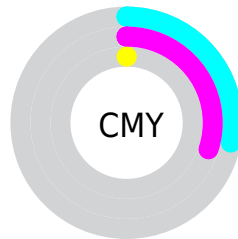
- Red (72%)
- Green (70%)
- Blue (100%)



- Red (72%)
- Yellow (70%)
- Blue (100%)



- Cyan (28%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5275, 0.2625, 0.2421 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 49.5275, 0.2625, 0.2421 by changing the saturation by 10% instead.


 49.5275, 0.2625,
0.2421

 49.5275, 0.2625,
0.2421


384.8153, 0.2873,
0.2826

 35.0381, 0.2565,
0.2329


 89.4744, 0.2714,
0.2561

 23.6922, 0.2490,
0.2216


115.7007, 0.2747,
0.2616

 15.1055, 0.2394,
0.2075


146.6081, 0.2776,
0.2663

 8.8934, 0.2265,
0.1894

182.5810, 0.2801,
0.2704

 4.6717, 0.2086,
0.1656

224.0038, 0.2822,
0.2740

 2.0560, 0.1828,
0.1334

271.2608, 0.2841,

 0.6397, 0.1440,

0.2772

0.0871

324.7365, 0.2858,
0.2800

■ 0.0000, 0.0000,
0.0000

■ 49.5275, 0.2625,
0.2421

■ 49.5275, 0.2625,
0.2421

■ 37.5226, 0.2421,
0.2075

■ 63.9330, 0.2813,
0.2744

■ 27.7843, 0.2210,
0.1719

■ 80.8559, 0.2982,
0.3036

■ 20.1713, 0.2004,
0.1377

100.0000, 0.3127,
0.3290

■ 14.5247, 0.1818,
0.1074

■ 10.6633, 0.1668,
0.0837

■ 8.3723, 0.1565,
0.0682

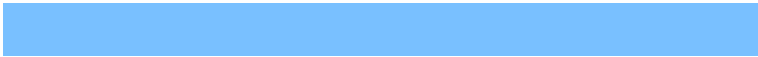
■ 7.3236, 0.1512,
0.0607

■ 7.3090, 0.1511,
0.0606

Harmonies

Analogous

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



49.5275, 0.2264, 0.2439



49.5275, 0.2625, 0.2421



49.5275, 0.3153, 0.2592

Triad

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



49.5275, 0.2625, 0.2421



49.5275, 0.4246, 0.3765



49.5275, 0.2527, 0.3690

Complementary

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



49.5275, 0.2625, 0.2421



95.2825, 0.3552, 0.4044

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.



49.5275, 0.3023, 0.4161



49.5275, 0.2625, 0.2421



49.5275, 0.4027, 0.4138

Square

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



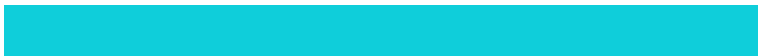
49.5275, 0.2625, 0.2421



49.5275, 0.4137, 0.3328



49.5275, 0.3574, 0.4315



49.5275, 0.2208, 0.3119

Rectangle

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



49.5275, 0.2625, 0.2421



49.5275, 0.3539, 0.2793



49.5275, 0.3574, 0.4315



49.5275, 0.2677, 0.3871

Sweetspot

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



49.5287, 0.2625, 0.2421



82.3289, 0.2995, 0.3058



85.9232, 0.2691, 0.3248



17.0537, 0.2972, 0.3018



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.



49.5287, 0.2625, 0.2421



41.8148, 0.2500, 0.2208



54.8012, 0.2899, 0.2485



17.4234, 0.2987, 0.3045



3.8377, 0.1515, 0.0609



0.3890, 0.1552, 0.0629

Inverse Universe

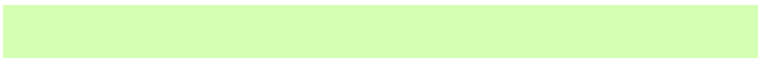
The Inverse Universe completely reimagines the original color for something new.



60.4649, 0.3192, 0.2581



54.4376, 0.3207, 0.2437



88.9508, 0.3299, 0.4110



18.2829, 0.3146, 0.3068



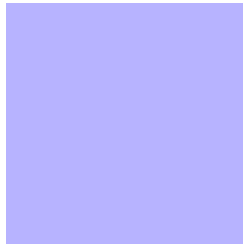
14.4518, 0.3346, 0.1617



1.4120, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 49.5275, 0.2625, 0.2421 looks on a white background.

Color Contrast Check

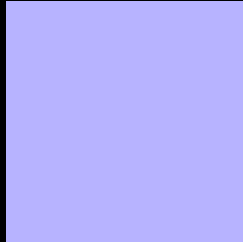
Large Text (above 18pt) WCAG AA × Fail

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 49.5275, 0.2625, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

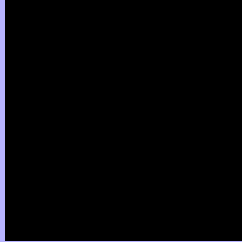
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5275, 0.2625, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 49.5275, 0.2625, 0.2421.

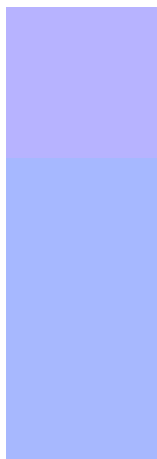


This preview shows how white text looks on a background with the Yxy color 49.5275, 0.2625, 0.2421.

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

49.5275, 0.2625, 0.2421

Protanopia

49.6080, 0.2520, 0.2456

Deuteranopia

49.6522, 0.2532, 0.2467



Tritanopia

49.6391, 0.2891, 0.3098

Trichromacy



Original Color

49.5275, 0.2625, 0.2421

Protanomaly

49.4466, 0.2556, 0.2440

Deuteranomaly

49.4959, 0.2568, 0.2451

Tritanomaly

49.3727, 0.2789, 0.2822

Monochromacy



Original Color

49.5275, 0.2625, 0.2421

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.0668, 0.2934, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5275, 0.2625, 0.2421 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(183, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 179, 255)  
}
```

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(183, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.5275, 0.2625, 0.2421 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(183, 179, 255) }
```

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

```
.border{ border-color:rgb(183, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5275, 0.2625, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 179, 255) }
```

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

```
.background{ background-color: rgb(183,  
179, 255) }
```

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