

Converting Colors

$Y_{xy}(46.7860, 0.2677, 0.2321)$

Have a look what the booklet for
Yxy(46.7860, 0.2677, 0.2321)
contains.

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Color

Yxy(46.8024, 0.2678, 0.2322)

Conversions

Conversions Part 1

Format	Color
Hex	C0A9FF
RGB	192, 169, 255
RGB Percent	75%, 66%, 100%
CMY	0.2470, 0.3373, 0.0001
CMYK	0.25, 0.34, 0.00, 0.00
HSL	256°, 100%, 83%
HSV	256°, 34%, 100%
XYZ	53.9780, 46.8024, 100.7804
YIQ	185.6810, -13.8980, 31.6220

Conversions

Conversions Part 2

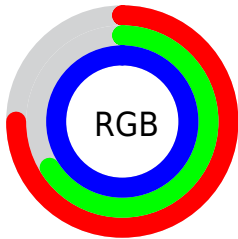
Format	Color
RYB	192, 169, 255
Decimal	12626431
CIELab	74.06, 25.86, -39.63
CIElCh	74, 47.318, 303.122
Yxy	46.8024, 0.2678, 0.2322
Android (android.graphics.Color)	4290816511 (0xFFC0A9FF)
YUV	185.6810, 34.1743, 5.5418
Hunter-Lab	68.4123, 21.1168, -39.4534

Details

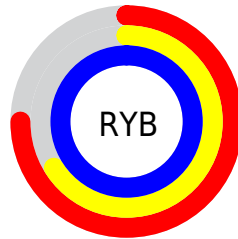
The Yxy color **46.8024, 0.2678, 0.2322** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.5212, 0.3480, 0.4181**, and the grayscale version is **48.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8553, 0.3107, 0.2986**, and **22.1182, 0.2553, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **35.9394, 0.2510, 0.1993**, and if you desaturate by 10%, it is **59.8281, 0.2832, 0.2638**.

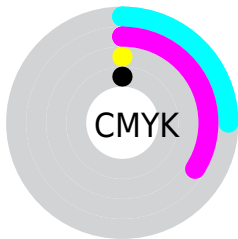
Distribution



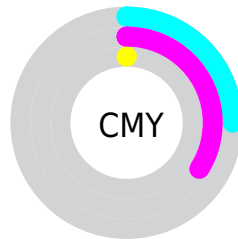
- Red (75%)
- Green (66%)
- Blue (100%)



- Red (75%)
- Yellow (66%)
- Blue (100%)



- Cyan (25%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8024, 0.2678, 0.2322 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 46.8024, 0.2678, 0.2322 by changing the saturation by 10% instead.


 46.8024, 0.2678,
0.2322


 46.8024, 0.2678,
0.2322


374.0252, 0.2905,
0.2770

 32.8795, 0.2622,
0.2221


 85.4186, 0.2760,
0.2477

 22.0341, 0.2551,
0.2098


 110.8806, 0.2791,
0.2537

 13.8820, 0.2459,
0.1944


140.9579, 0.2817,
0.2589

 8.0386, 0.2335,
0.1749

176.0346, 0.2840,
0.2635

 4.1197, 0.2160,
0.1495

216.4954, 0.2859,
0.2675

 1.7407, 0.1903,
0.1160

262.7245, 0.2876,

 0.4498, 0.1520,

0.2710

0.0634

315.1063, 0.2892,
0.2742

■ 0.0000, 0.0026,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8024, 0.2678,
0.2322

■ 46.8024, 0.2678,
0.2322

■ 35.9394, 0.2510,
0.1993

■ 59.8281, 0.2832,
0.2638

■ 27.1139, 0.2331,
0.1664

■ 75.1210, 0.2968,
0.2931

■ 20.1965, 0.2152,
0.1355

■ 92.7855, 0.3087,
0.3198

■ 15.0399, 0.1981,
0.1086

■ 99.9988, 0.3127,
0.3290

■ 11.4746, 0.1830,
0.0876

■ 9.2955, 0.1708,
0.0737

■ 8.4580, 0.1649,
0.0682

Harmonies

Analogous

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



46.8024, 0.2211, 0.2280



46.8024, 0.2678, 0.2322



46.8024, 0.3322, 0.2565

Triad

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



46.8024, 0.2678, 0.2322



46.8024, 0.4401, 0.3942



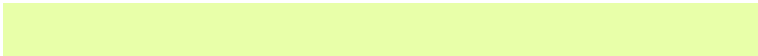
46.8024, 0.2310, 0.3587

Complementary

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



46.8024, 0.2678, 0.2322



91.5212, 0.3480, 0.4181

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.



46.8024, 0.2838, 0.4218



46.8024, 0.2678, 0.2322



46.8024, 0.4054, 0.4351

Square

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



46.8024, 0.2678, 0.2322



46.8024, 0.4383, 0.3445



46.8024, 0.3477, 0.4499



46.8024, 0.2014, 0.2927

Rectangle

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



46.8024, 0.2678, 0.2322



46.8024, 0.3770, 0.2816



46.8024, 0.3477, 0.4499



46.8024, 0.2464, 0.3818

Sweetspot

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



46.8043, 0.2678, 0.2322



81.4250, 0.3015, 0.3034



73.3968, 0.2614, 0.3032



16.9113, 0.2997, 0.2996



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.



46.8043, 0.2678, 0.2322



39.7437, 0.2574, 0.2116



53.2428, 0.3007, 0.2408



17.6130, 0.3021, 0.3047



4.4821, 0.1662, 0.0689



0.4872, 0.1775, 0.0751

Inverse Universe

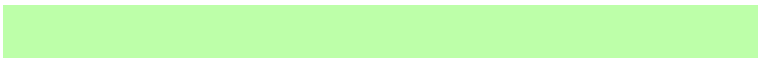
The Inverse Universe completely reimagines the original color for something new.



55.4558, 0.3352, 0.2656



49.6264, 0.3407, 0.2539



85.1996, 0.3200, 0.4266



18.2124, 0.3179, 0.3118



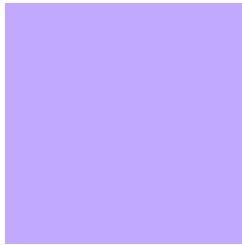
13.0032, 0.4029, 0.1993



1.2843, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 46.8024, 0.2678, 0.2322 looks on a white background.

Color Contrast Check

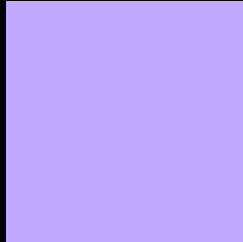
Large Text (above 18pt) WCAG AA × Fail

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 46.8024, 0.2678, 0.2322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

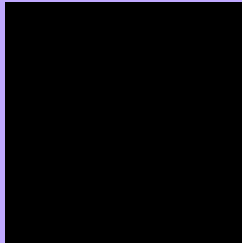
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8024, 0.2678, 0.2322

Background



This preview shows how black text looks on a background with the Yxy color 46.8024, 0.2678, 0.2322.



This preview shows how white text looks on a background with the Yxy color 46.8024, 0.2678, 0.2322.

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

46.8024, 0.2678, 0.2322

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1053, 0.2480, 0.2417



Tritanopia

46.8116, 0.3018, 0.3110

Trichromacy



Original Color

46.8024, 0.2678, 0.2322

Protanomaly

46.9286, 0.2540, 0.2366

Deuteranomaly

46.8644, 0.2546, 0.2376

Tritanomaly

46.7683, 0.2887, 0.2798

Monochromacy



Original Color

46.8024, 0.2678, 0.2322

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0370, 0.2955, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8024, 0.2678, 0.2322 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(192, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 169, 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(192, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8024, 0.2678, 0.2322 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(192, 169, 255) }
```

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

```
.border{ border-color:rgb(192, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8024, 0.2678, 0.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 169, 255) }
```

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

```
.background{ background-color: rgb(192,  
169, 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](#).

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