

Converting Colors

$Y_{xy}(46.8252, 0.2950, 0.2242)$

Have a look what the booklet for
Yxy(46.8252, 0.2950, 0.2242)
contains.

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Color

Yxy(46.8252, 0.2950, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	E49AFF
RGB	228, 154, 255
RGB Percent	89%, 60%, 100%
CMY	0.1057, 0.3961, 0.0000
CMYK	0.11, 0.40, 0.00, 0.00
HSL	284°, 100%, 80%
HSV	284°, 40%, 100%
XYZ	61.6121, 46.8252, 100.4173
YIQ	187.6400, 11.6830, 47.0990

Conversions

Conversions Part 2

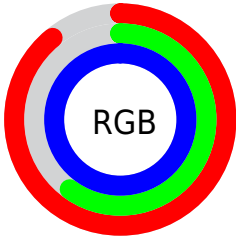
Format	Color
R _Y B	228, 154, 255
Decimal	14981887
CIE Lab	74.08, 44.46, -39.37
CIE LCh	74, 59.385, 318.474
Yxy	46.8252, 0.2950, 0.2242
Android (android.graphics.Color)	4293171967 (0xFFE49AFF)
YUV	187.6400, 33.2085, 35.3957
Hunter-Lab	68.4289, 40.9673, -39.1059

Details

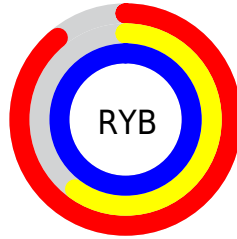
The Yxy color **46.8252, 0.2950, 0.2242** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.6693, 0.3228, 0.4455**, and the grayscale version is **49.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **22.0425, 0.2884, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **38.1933, 0.2888, 0.1979**, and if you desaturate by 10%, it is **57.2896, 0.3006, 0.2515**.

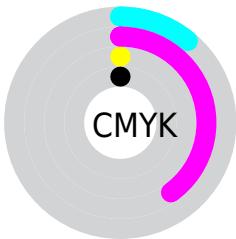
Distribution



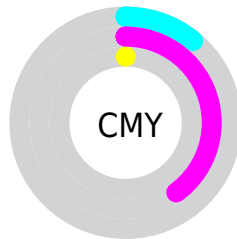
- Red (89%)
- Green (60%)
- Blue (100%)



- Red (89%)
- Yellow (60%)
- Blue (100%)



- Cyan (11%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8252, 0.2950, 0.2242 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 46.8252, 0.2950, 0.2242 by changing the saturation by 10% instead.


 46.8252, 0.2950,
0.2242

 46.8252, 0.2950,
0.2242


374.1164, 0.3052,
0.2717

 32.8975, 0.2922,
0.2138


 85.4526, 0.2989,
0.2404

 22.0479, 0.2886,
0.2011


 110.9212, 0.3003,
0.2468

 13.8921, 0.2836,
0.1855


141.0054, 0.3015,
0.2523

 8.0457, 0.2766,
0.1659

176.0898, 0.3025,
0.2571

 4.1242, 0.2661,
0.1408

216.5587, 0.3033,
0.2614

 1.7433, 0.2494,
0.1083

262.7965, 0.3040,

 0.4514, 0.2228,

0.2652

0.0588

315.1876, 0.3046,
0.2686

0.0000, 0.1567,
0.0000

0.0000, 0.0000,
0.0000

46.8252, 0.2950,
0.2242

46.8252, 0.2950,
0.2242

38.1933, 0.2888,
0.1979

57.2896, 0.3006,
0.2515

31.2775, 0.2820,
0.1738

69.6896, 0.3054,
0.2786

25.9507, 0.2748,
0.1529

84.1223, 0.3095,
0.3050

22.0665, 0.2674,
0.1362

100.0000, 0.3127,
0.3290

■ 19.4511, 0.2602,
0.1244

■ 17.8320, 0.2532,
0.1170

■ 17.7776, 0.2530,
0.1167

Harmonies

Analogous

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



46.8252, 0.2258, 0.2062



46.8252, 0.2950, 0.2242



46.8252, 0.3800, 0.2630

Triad

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



46.8252, 0.2950, 0.2242



46.8252, 0.4510, 0.4335



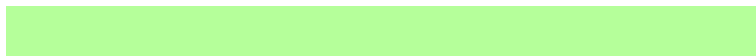
46.8252, 0.1898, 0.3196

Complementary

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



46.8252, 0.2950, 0.2242



83.6693, 0.3228, 0.4455

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.



46.8252, 0.2392, 0.4095



46.8252, 0.2950, 0.2242



46.8252, 0.3898, 0.4760

Square

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



46.8252, 0.2950, 0.2242



46.8252, 0.4764, 0.3751



46.8252, 0.3123, 0.4733



46.8252, 0.1721, 0.2496

Rectangle

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



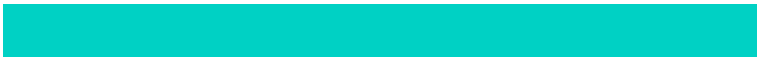
46.8252, 0.2950, 0.2242



46.8252, 0.4310, 0.2971



46.8252, 0.3123, 0.4733



46.8252, 0.2029, 0.3491

Sweetspot

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



46.8257, 0.2950, 0.2242



80.4904, 0.3085, 0.2988



47.7920, 0.2444, 0.2422



16.8134, 0.3080, 0.2954



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.



46.8257, 0.2950, 0.2242



39.4679, 0.2898, 0.2021



50.2549, 0.3358, 0.2499



18.0422, 0.3095, 0.3053



9.3661, 0.2541, 0.1173



0.9654, 0.2620, 0.1217

Inverse Universe

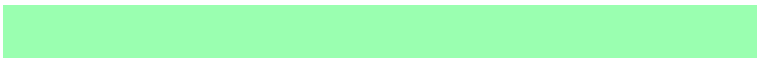
The Inverse Universe completely reimagines the original color for something new.



47.6991, 0.3857, 0.3009



40.6521, 0.4097, 0.2953



81.5177, 0.2961, 0.4242



18.0667, 0.3252, 0.3227



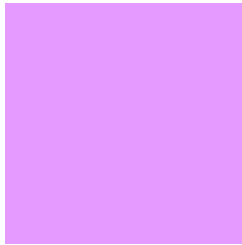
11.3482, 0.5882, 0.3014



1.1221, 0.5564, 0.2839

Previews

White Background



This preview shows how the Yxy color 46.8252, 0.2950, 0.2242 looks on a white background.

Color Contrast Check

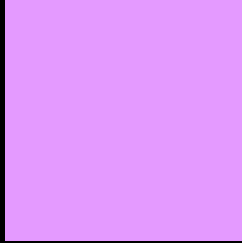
Large Text (above 18pt) WCAG AA × Fail

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 46.8252, 0.2950, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

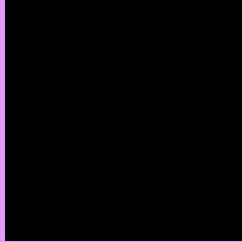
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8252, 0.2950, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 46.8252, 0.2950, 0.2242.



This preview shows how white text looks on a background with the Yxy color 46.8252, 0.2950, 0.2242.

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

46.8252, 0.2950, 0.2242

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

47.1217, 0.2509, 0.2449



Tritanopia

46.5465, 0.3447, 0.3124

Trichromacy



Original Color

46.8252, 0.2950, 0.2242



Protanomaly

46.4131, 0.2615, 0.2328



Deuteranomaly

46.4684, 0.2648, 0.2360

Tritanomaly

46.5265, 0.3259, 0.2777

Monochromacy



Original Color

46.8252, 0.2950, 0.2242



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.5006, 0.3071, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8252, 0.2950, 0.2242 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(228, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 154, 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(228, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8252, 0.2950, 0.2242 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(228, 154, 255) }
```

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

```
.border{ border-color:rgb(228, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8252, 0.2950, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 154, 255) }
```

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

```
.background{ background-color: rgb(228,  
154, 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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