

Converting Colors

$Y_{xy}(47.1899, 0.2866, 0.2190)$

Have a look what the booklet for
Yxy(47.1899, 0.2866, 0.2190)
contains.

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Color

Yxy(46.8442, 0.2918, 0.2252)

Conversions

Conversions Part 1

Format	Color
Hex	E09CFF
RGB	224, 156, 255
RGB Percent	88%, 61%, 100%
CMY	0.1213, 0.3884, 0.0000
CMYK	0.12, 0.39, 0.00, 0.00
HSL	281°, 100%, 81%
HSV	281°, 39%, 100%
XYZ	60.6978, 46.8442, 100.4696
YIQ	187.6180, 8.7490, 45.2050

Conversions

Conversions Part 2

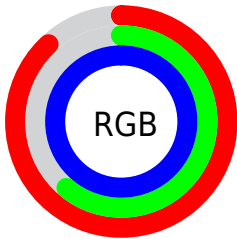
Format	Color
R_{YB}	224, 156, 255
Decimal	14720255
CIE _{Lab}	74.09, 42.26, -39.38
CIE _{LCh}	74, 57.762, 317.015
Yxy	46.8442, 0.2918, 0.2252
Android (android.graphics.Color)	4292910335 (0xFFE09CFF)
YUV	187.6180, 33.2193, 31.9070
Hunter-Lab	68.4428, 38.5258, -39.1239

Details

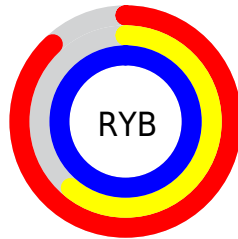
The Yxy color **46.8442, 0.2918, 0.2252** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.4708, 0.3255, 0.4419**, and the grayscale version is **49.8668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **21.9932, 0.2842, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **37.9252, 0.2844, 0.1981**, and if you desaturate by 10%, it is **57.6198, 0.2984, 0.2530**.

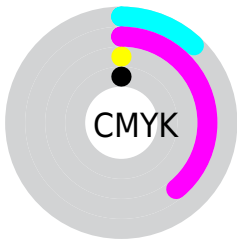
Distribution



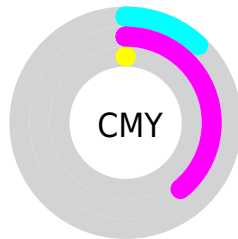
- Red (88%)
- Green (61%)
- Blue (100%)



- Red (88%)
- Yellow (61%)
- Blue (100%)



- Cyan (12%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8442, 0.2918, 0.2252 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 46.8442, 0.2918, 0.2252 by changing the saturation by 10% instead.


 46.8442, 0.2918,
0.2252

 46.8442, 0.2918,
0.2252


374.1923, 0.3034,
0.2723

 32.9125, 0.2887,
0.2148


 85.4810, 0.2962,
0.2413

 22.0594, 0.2846,
0.2022


 110.9549, 0.2978,
0.2476

 13.9006, 0.2791,
0.1866

141.0450, 0.2992,
0.2531

 8.0515, 0.2715,
0.1671

176.1357, 0.3003,
0.2579

 4.1279, 0.2601,
0.1420

216.6114, 0.3012,
0.2622

 1.7454, 0.2423,
0.1094

262.8565, 0.3021,

 0.4528, 0.2141,

0.2659

0.0596

315.2553, 0.3028,
0.2693

0.0000, 0.1412,
0.0000

0.0000, 0.0000,
0.0000

46.8442, 0.2918,
0.2252

46.8442, 0.2918,
0.2252

37.9252, 0.2844,
0.1981

57.6198, 0.2984,
0.2530

30.7472, 0.2764,
0.1729

70.3549, 0.3042,
0.2805

25.1838, 0.2679,
0.1508

85.1463, 0.3091,
0.3069

21.0900, 0.2593,
0.1328

100.0000, 0.3127,
0.3290

■ 18.2944, 0.2508,
0.1198

■ 16.5482, 0.2428,
0.1114

■ 16.3759, 0.2419,
0.1106

Harmonies

Analogous

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



46.8442, 0.2254, 0.2087



46.8442, 0.2918, 0.2252



46.8442, 0.3743, 0.2623

Triad

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



46.8442, 0.2918, 0.2252



46.8442, 0.4500, 0.4290



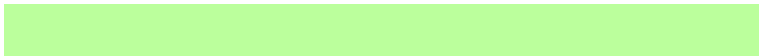
46.8442, 0.1945, 0.3242

Complementary

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



46.8442, 0.2918, 0.2252



84.4708, 0.3255, 0.4419

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.



46.8442, 0.2443, 0.4111



46.8442, 0.2918, 0.2252



46.8442, 0.3917, 0.4710

Square

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



46.8442, 0.2918, 0.2252



46.8442, 0.4721, 0.3717



46.8442, 0.3165, 0.4705



46.8442, 0.1754, 0.2544

Rectangle

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



46.8442, 0.2918, 0.2252



46.8442, 0.4246, 0.2955



46.8442, 0.3165, 0.4705



46.8442, 0.2078, 0.3530

Sweetspot

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



46.8446, 0.2918, 0.2252



80.2389, 0.3076, 0.2987



49.9645, 0.2465, 0.2483



16.7540, 0.3070, 0.2953



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.



46.8446, 0.2918, 0.2252



39.4291, 0.2858, 0.2030



51.1312, 0.3323, 0.2485



17.9992, 0.3088, 0.3052



8.6396, 0.2431, 0.1113



0.8993, 0.2522, 0.1163

Inverse Universe

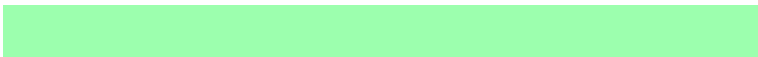
The Inverse Universe completely reimagines the original color for something new.



48.6093, 0.3791, 0.2968



41.6307, 0.4005, 0.2903



81.6455, 0.2981, 0.4261



18.0805, 0.3245, 0.3216



11.4322, 0.5725, 0.2927



1.1318, 0.5405, 0.2751

Previews

White Background



This preview shows how the Yxy color 46.8442, 0.2918, 0.2252 looks on a white background.

Color Contrast Check

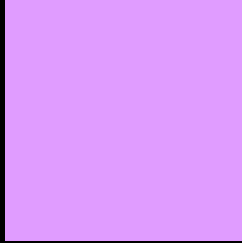
Large Text (above 18pt) WCAG AA × Fail

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 46.8442, 0.2918, 0.2252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

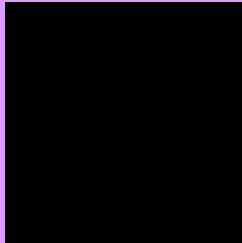
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8442, 0.2918, 0.2252

Background



This preview shows how black text looks on a background with the Yxy color 46.8442, 0.2918, 0.2252.



This preview shows how white text looks on a background with the Yxy color 46.8442, 0.2918, 0.2252.

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

46.8442, 0.2918, 0.2252

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1217, 0.2509, 0.2449



Tritanopia

46.7326, 0.3398, 0.3135

Trichromacy



Original Color

46.8442, 0.2918, 0.2252



Protanomaly

46.4131, 0.2615, 0.2328



Deuteranomaly

46.3444, 0.2641, 0.2358

Tritanomaly

46.6773, 0.3213, 0.2783

Monochromacy



Original Color

46.8442, 0.2918, 0.2252



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.2216, 0.3054, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8442, 0.2918, 0.2252 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(224, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 156, 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(224, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8442, 0.2918, 0.2252 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(224, 156, 255) }
```

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

```
.border{ border-color:rgb(224, 156, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 156, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8442, 0.2918, 0.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 156, 255) }
```

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

```
.background{ background-color: rgb(224,  
156, 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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