

Converting Colors

$Y_{xy}(46.4798, 0.2904, 0.2245)$

Have a look what the booklet for
Yxy(46.4798, 0.2904, 0.2245)
contains.

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Color

Yxy(46.5265, 0.2901, 0.2248)

Conversions

Conversions Part 1

Format	Color
Hex	DE9CFF
RGB	222, 156, 255
RGB Percent	87%, 61%, 100%
CMY	0.1297, 0.3881, 0.0001
CMYK	0.13, 0.39, 0.00, 0.00
HSL	280°, 100%, 81%
HSV	280°, 39%, 100%
XYZ	60.0415, 46.5265, 100.4004
YIQ	187.0200, 7.5570, 44.7810

Conversions

Conversions Part 2

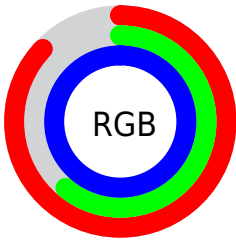
Format	Color
R _Y B	222, 156, 255
Decimal	14589183
CIE Lab	73.89, 41.58, -39.69
CIE LCh	74, 57.480, 316.331
Yxy	46.5265, 0.2901, 0.2248
Android (android.graphics.Color)	4292779263 (0xFFDE9CFF)
YUV	187.0200, 33.5141, 30.6775
Hunter-Lab	68.2103, 37.7549, -39.5231

Details

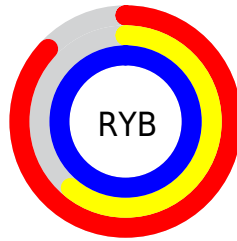
The Yxy color **46.5265, 0.2901, 0.2248** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.7356, 0.3269, 0.4413**, and the grayscale version is **49.5106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **21.7770, 0.2820, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **37.5370, 0.2821, 0.1974**, and if you desaturate by 10%, it is **57.3838, 0.2972, 0.2529**.

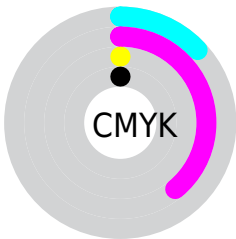
Distribution



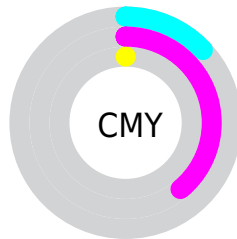
- Red (87%)
- Green (61%)
- Blue (100%)



- Red (87%)
- Yellow (61%)
- Blue (100%)



- Cyan (13%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5265, 0.2901, 0.2248 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 46.5265, 0.2901, 0.2248 by changing the saturation by 10% instead.

 46.5265, 0.2901,
0.2248


 46.5265, 0.2901,
0.2248


372.9213, 0.3026,
0.2722

 32.6615, 0.2868,
0.2143


 85.0064, 0.2948,
0.2410

 21.8673, 0.2825,
0.2017


 110.3901, 0.2965,
0.2473

 13.7594, 0.2767,
0.1860


140.3821, 0.2980,
0.2529

 7.9535, 0.2686,
0.1663

175.3669, 0.2992,
0.2577

 4.0652, 0.2567,
0.1410

215.7288, 0.3002,
0.2619

 1.7101, 0.2381,
0.1082

261.8523, 0.3011,

 0.4302, 0.2089,

0.2657

0.0573

314.1216, 0.3019,
0.2691

0.0000, 0.1301,
0.0000

0.0000, 0.0000,
0.0000

46.5265, 0.2901,
0.2248

46.5265, 0.2901,
0.2248

37.5370, 0.2821,
0.1974

57.3838, 0.2972,
0.2529

30.2953, 0.2735,
0.1717

70.2075, 0.3035,
0.2805

24.6762, 0.2644,
0.1491

85.0961, 0.3088,
0.3070

20.5347, 0.2552,
0.1308

99.9983, 0.3127,
0.3290

■ 17.6994, 0.2462,
0.1173

■ 15.9223, 0.2376,
0.1086

■ 15.7415, 0.2366,
0.1077

Harmonies

Analogous

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



46.5265, 0.2244, 0.2088



46.5265, 0.2901, 0.2248



46.5265, 0.3722, 0.2615

Triad

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



46.5265, 0.2901, 0.2248



46.5265, 0.4506, 0.4276



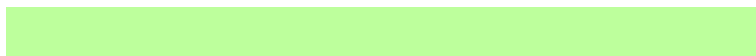
46.5265, 0.1956, 0.3262

Complementary

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



46.5265, 0.2901, 0.2248



84.7356, 0.3269, 0.4413

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.



46.5265, 0.2459, 0.4128



46.5265, 0.2901, 0.2248



46.5265, 0.3932, 0.4701

Square

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



46.5265, 0.2901, 0.2248



46.5265, 0.4717, 0.3704



46.5265, 0.3183, 0.4707



46.5265, 0.1758, 0.2558

Rectangle

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



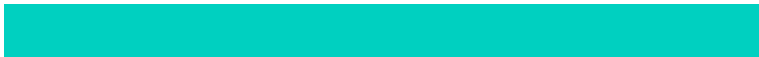
46.5265, 0.2901, 0.2248



46.5265, 0.4228, 0.2944



46.5265, 0.3183, 0.4707



46.5265, 0.2091, 0.3550

Sweetspot

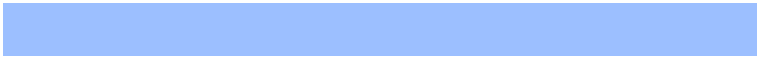
The Sweet Spot groups the original color and five complimentary colors.



46.5284, 0.2901, 0.2248



80.1191, 0.3072, 0.2987



51.4089, 0.2472, 0.2525



16.7257, 0.3065, 0.2952



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.



46.5284, 0.2901, 0.2248



39.0312, 0.2836, 0.2022



51.3466, 0.3295, 0.2456



17.9786, 0.3084, 0.3052



8.3123, 0.2380, 0.1085



0.8692, 0.2475, 0.1137

Inverse Universe

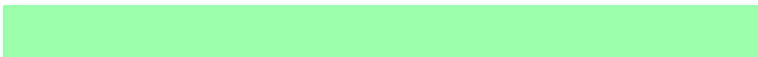
The Inverse Universe completely reimagines the original color for something new.



48.7255, 0.3769, 0.2947



41.7324, 0.3976, 0.2876



81.5113, 0.2997, 0.4301



18.0872, 0.3241, 0.3211



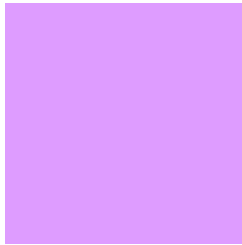
11.4777, 0.5644, 0.2883



1.1369, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 46.5265, 0.2901, 0.2248 looks on a white background.

Color Contrast Check

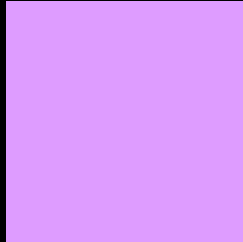
Large Text (above 18pt) WCAG AA × Fail

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 46.5265, 0.2901, 0.2248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

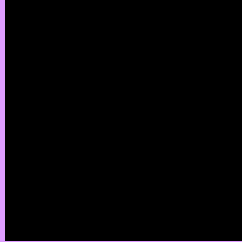
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5265, 0.2901, 0.2248

Background



This preview shows how black text looks on a background with the Yxy color 46.5265, 0.2901, 0.2248.



This preview shows how white text looks on a background with the Yxy color 46.5265, 0.2901, 0.2248.

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

46.5265, 0.2901, 0.2248

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

47.0182, 0.2503, 0.2448



Tritanopia

46.4354, 0.3379, 0.3134

Trichromacy



Original Color

46.5265, 0.2901, 0.2248



Protanomaly

46.1696, 0.2601, 0.2324



Deuteranomaly

46.2214, 0.2633, 0.2356



Tritanomaly

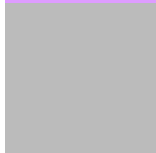
46.3727, 0.3195, 0.2780

Monochromacy



Original Color

46.5265, 0.2901, 0.2248



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.0835, 0.3046, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5265, 0.2901, 0.2248 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(222, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5265, 0.2901, 0.2248 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(222, 156, 255) }
```

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

```
.border{ border-color:rgb(222, 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(222, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5265, 0.2901, 0.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 156, 255) }
```

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

```
.background{ background-color: rgb(222,  
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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