

Converting Colors

$Y_{xy}(46.9472, 0.2795, 0.2145)$

Have a look what the booklet for
Yxy(46.9472, 0.2795, 0.2145)
contains.

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Color

Yxy(46.0570, 0.2877, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	DB9CFF
RGB	219, 156, 255
RGB Percent	86%, 61%, 100%
CMY	0.1412, 0.3882, 0.0000
CMYK	0.14, 0.39, 0.00, 0.00
HSL	278°, 100%, 81%
HSV	278°, 39%, 100%
XYZ	59.1545, 46.0570, 100.4001
YIQ	186.1230, 5.7690, 44.1450

Conversions

Conversions Part 2

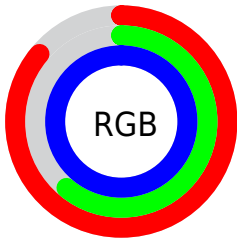
Format	Color
R _Y B	219, 156, 255
Decimal	14392575
CIE Lab	73.58, 40.76, -40.21
CIE LCh	74, 57.259, 315.389
Yxy	46.0570, 0.2877, 0.2240
Android (android.graphics.Color)	4292582655 (0xFFDB9CFF)
YUV	186.1230, 33.9564, 28.8331
Hunter-Lab	67.8653, 36.8244, -40.2081

Details

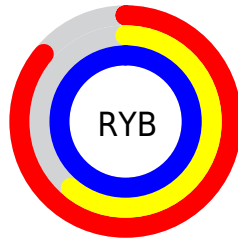
The Yxy color **46.0570, 0.2877, 0.2240** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.1269, 0.3287, 0.4407**, and the grayscale version is **48.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **21.4591, 0.2788, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **36.9805, 0.2790, 0.1961**, and if you desaturate by 10%, it is **57.0105, 0.2956, 0.2524**.

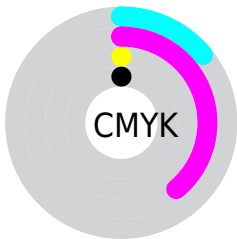
Distribution



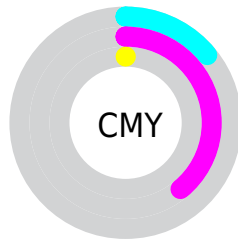
- Red (86%)
- Green (61%)
- Blue (100%)



- Red (86%)
- Yellow (61%)
- Blue (100%)



- Cyan (14%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0570, 0.2877, 0.2240 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 46.0570, 0.2877, 0.2240 by changing the saturation by 10% instead.


 46.0570, 0.2877,
0.2240

 46.0570, 0.2877,
0.2240


371.0378, 0.3013,
0.2718

 32.2908, 0.2841,
0.2134


 84.3043, 0.2928,
0.2403

 21.5837, 0.2795,
0.2006


 109.5542, 0.2947,
0.2468

 13.5513, 0.2732,
0.1848


139.4008, 0.2963,
0.2523

 7.8093, 0.2645,
0.1649

174.2284, 0.2976,
0.2572

 3.9732, 0.2518,
0.1393

214.4216, 0.2987,
0.2615

 1.6586, 0.2321,
0.1062

260.3646, 0.2997,

 0.3966, 0.2016,

0.2653

0.0536

312.4418, 0.3006,
0.2687

0.0000, 0.1140,
0.0000

0.0000, 0.0000,
0.0000

46.0570, 0.2877,
0.2240

46.0570, 0.2877,
0.2240

36.9805, 0.2790,
0.1961

57.0105, 0.2956,
0.2524

29.6654, 0.2695,
0.1699

69.9447, 0.3024,
0.2803

23.9844, 0.2596,
0.1468

84.9568, 0.3083,
0.3069

19.7924, 0.2496,
0.1278

100.0000, 0.3127,
0.3290

■ 16.9173, 0.2399,
0.1139

■ 15.1101, 0.2308,
0.1048

■ 14.9299, 0.2297,
0.1039

Harmonies

Analogous

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



46.0570, 0.2228, 0.2087



46.0570, 0.2877, 0.2240



46.0570, 0.3696, 0.2601

Triad

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



46.0570, 0.2877, 0.2240



46.0570, 0.4519, 0.4258



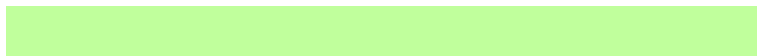
46.0570, 0.1967, 0.3288

Complementary

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



46.0570, 0.2877, 0.2240



85.1269, 0.3287, 0.4407

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.



46.0570, 0.2480, 0.4152



46.0570, 0.2877, 0.2240



46.0570, 0.3953, 0.4692

Square

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



46.0570, 0.2877, 0.2240



46.0570, 0.4715, 0.3685



46.0570, 0.3207, 0.4715



46.0570, 0.1760, 0.2576

Rectangle

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



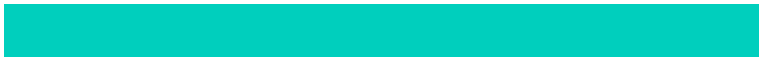
46.0570, 0.2877, 0.2240



46.0570, 0.4206, 0.2928



46.0570, 0.3207, 0.4715



46.0570, 0.2106, 0.3578

Sweetspot

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



46.0573, 0.2877, 0.2240



79.9569, 0.3065, 0.2986



52.1194, 0.2475, 0.2545



16.6875, 0.3058, 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.



46.0573, 0.2877, 0.2240



38.5005, 0.2806, 0.2011



51.4360, 0.3281, 0.2441



17.9508, 0.3079, 0.3052



7.8886, 0.2312, 0.1047



0.8299, 0.2413, 0.1103

Inverse Universe

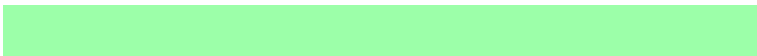
The Inverse Universe completely reimagines the original color for something new.



48.8430, 0.3740, 0.2916



41.8737, 0.3936, 0.2840



81.4601, 0.3006, 0.4322



18.0963, 0.3237, 0.3204



11.5453, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 46.0570, 0.2877, 0.2240 looks on a white background.

Color Contrast Check

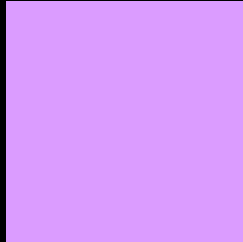
Large Text (above 18pt) WCAG AA × Fail

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 46.0570, 0.2877, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

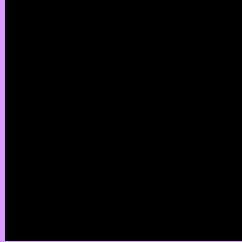
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0570, 0.2877, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 46.0570, 0.2877, 0.2240.



This preview shows how white text looks on a background with the Yxy color 46.0570, 0.2877, 0.2240.

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

46.0570, 0.2877, 0.2240

Protanopia

46.5281, 0.2449, 0.2380

Deuteranopia

46.4743, 0.2483, 0.2423



Tritanopia

45.9964, 0.3352, 0.3132

Trichromacy



Original Color

46.0570, 0.2877, 0.2240



Protanomaly

45.9295, 0.2587, 0.2321



Deuteranomaly

45.8574, 0.2612, 0.2351



Tritanomaly

45.9226, 0.3169, 0.2776

Monochromacy



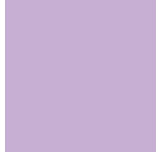
Original Color

46.0570, 0.2877, 0.2240



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.3689, 0.3037, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0570, 0.2877, 0.2240 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(219, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.0570, 0.2877, 0.2240 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(219, 156, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0570, 0.2877, 0.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 156, 255) }
```

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

```
.background{ background-color: rgb(219,  
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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