

Converting Colors

$Y_{xy}(46.3938, 0.2767, 0.2283)$

Have a look what the booklet for
Yxy(46.3938, 0.2767, 0.2283)
contains.

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Color

Yxy(46.3935, 0.2770, 0.2282)

Conversions

Conversions Part 1

Format	Color
Hex	CDA3FF
RGB	205, 163, 255
RGB Percent	80%, 64%, 100%
CMY	0.1962, 0.3607, 0.0000
CMYK	0.20, 0.36, 0.00, 0.00
HSL	267°, 100%, 82%
HSV	267°, 36%, 100%
XYZ	56.3146, 46.3935, 100.5938
YIQ	186.0460, -4.5000, 37.5160

Conversions

Conversions Part 2

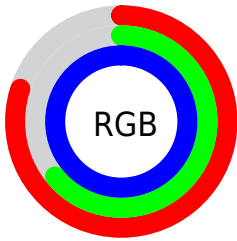
Format	Color
R _Y B	205, 163, 255
Decimal	13476863
CIE Lab	73.80, 32.88, -39.96
CIE LCh	74, 51.750, 309.447
Yxy	46.3935, 0.2770, 0.2282
Android (android.graphics.Color)	4291666943 (0xFFCDA3FF)
YUV	186.0460, 33.9943, 16.6227
Hunter-Lab	68.1128, 28.3838, -39.8848

Details

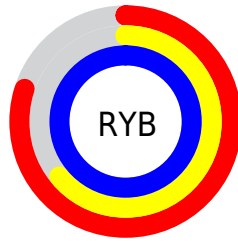
The Yxy color $46.3935, 0.2770, 0.2282$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.3210, 0.3387, 0.4284$, and the grayscale version is $48.9375, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $21.8357, 0.2661, 0.2055$ is the 20% darker color. If you saturate the color by 10%, you get $36.3474, 0.2640, 0.1976$, and if you desaturate by 10%, it is $58.4439, 0.2887, 0.2584$.

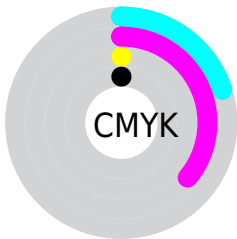
Distribution



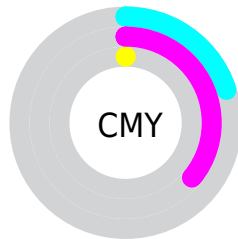
- Red (80%)
- Green (64%)
- Blue (100%)



- Red (80%)
- Yellow (64%)
- Blue (100%)



- Cyan (20%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3935, 0.2770, 0.2282 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 46.3935, 0.2770, 0.2282 by changing the saturation by 10% instead.


 46.3935, 0.2770,
0.2282


 46.3935, 0.2770,
0.2282

372.3884, 0.2955,
0.2745

 32.5565, 0.2723,
0.2179


 84.8076, 0.2838,
0.2441

 21.7869, 0.2664,
0.2053


 110.1534, 0.2863,
0.2503

 13.7004, 0.2585,
0.1897


140.1043, 0.2885,
0.2557

 7.9126, 0.2477,
0.1700

175.0447, 0.2903,
0.2604

 4.0391, 0.2324,
0.1445

215.3589, 0.2919,
0.2646

 1.6954, 0.2092,
0.1111

261.4313, 0.2932,

 0.4207, 0.1742,

0.2683

0.0583

313.6463, 0.2945,
0.2715

0.0000, 0.0567,
0.0000

0.0000, 0.0000,
0.0000

46.3935, 0.2770,
0.2282

46.3935, 0.2770,
0.2282

36.3474, 0.2640,
0.1976

58.4439, 0.2887,
0.2584

28.1850, 0.2501,
0.1677

72.5985, 0.2990,
0.2871

21.7813, 0.2357,
0.1403

88.9570, 0.3080,
0.3139

16.9930, 0.2215,
0.1169

100.0000, 0.3127,
0.3290

■ 13.6528, 0.2082,
0.0988

■ 11.5543, 0.1963,
0.0868

■ 10.9509, 0.1921,
0.0832

Harmonies

Analogous

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



46.3935, 0.2218, 0.2186



46.3935, 0.2770, 0.2282



46.3935, 0.3496, 0.2582

Triad

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



46.3935, 0.2770, 0.2282



46.3935, 0.4463, 0.4092



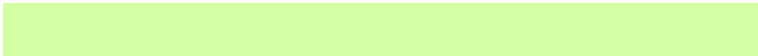
46.3935, 0.2144, 0.3448

Complementary

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



46.3935, 0.2770, 0.2282



88.3210, 0.3387, 0.4284

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.



46.3935, 0.2668, 0.4193



46.3935, 0.2770, 0.2282



46.3935, 0.4011, 0.4510

Square

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



46.3935, 0.2770, 0.2282



46.3935, 0.4545, 0.3561



46.3935, 0.3352, 0.4602



46.3935, 0.1890, 0.2758

Rectangle

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



46.3935, 0.2770, 0.2282



46.3935, 0.3975, 0.2870



46.3935, 0.3352, 0.4602



46.3935, 0.2292, 0.3709

Sweetspot

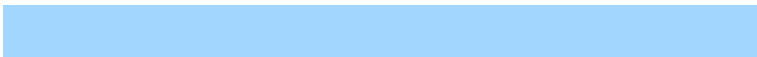
The Sweet Spot groups the original color and five complimentary colors.



46.3954, 0.2770, 0.2282



80.6104, 0.3037, 0.3010



62.9049, 0.2552, 0.2811



16.7833, 0.3025, 0.2973



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.



46.3954, 0.2770, 0.2282



39.2257, 0.2681, 0.2069



53.8205, 0.3132, 0.2383



17.7834, 0.3050, 0.3049



5.8083, 0.1938, 0.0841



0.6295, 0.2063, 0.0910

Inverse Universe

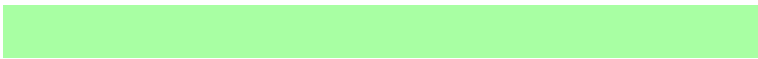
The Inverse Universe completely reimagines the original color for something new.



52.2697, 0.3526, 0.2777



46.0261, 0.3634, 0.2679



82.4485, 0.3102, 0.4377



18.1524, 0.3208, 0.3161



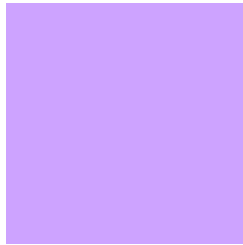
12.1094, 0.4778, 0.2405



1.2011, 0.4549, 0.2280

Previews

White Background



This preview shows how the Yxy color 46.3935, 0.2770, 0.2282 looks on a white background.

Color Contrast Check

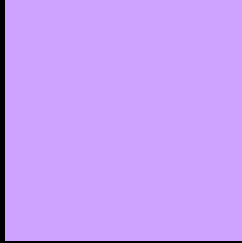
Large Text (above 18pt) WCAG AA × Fail

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 46.3935, 0.2770, 0.2282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

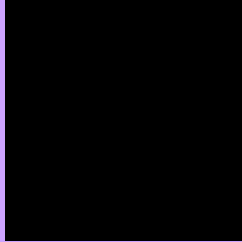
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3935, 0.2770, 0.2282

Background



This preview shows how black text looks on a background with the Yxy color 46.3935, 0.2770, 0.2282.



This preview shows how white text looks on a background with the Yxy color 46.3935, 0.2770, 0.2282.

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

46.3935, 0.2770, 0.2282

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.5376, 0.2478, 0.2413



Tritanopia

46.2377, 0.3170, 0.3114

Trichromacy



Original Color

46.3935, 0.2770, 0.2282

Protanomaly

46.1058, 0.2556, 0.2336

Deuteranomaly

46.0929, 0.2574, 0.2356

Tritanomaly

45.9866, 0.3014, 0.2773

Monochromacy



Original Color

46.3935, 0.2770, 0.2282

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8814, 0.2996, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3935, 0.2770, 0.2282 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(205, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 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(205, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3935, 0.2770, 0.2282 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(205, 163, 255) }
```

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

```
.border{ border-color:rgb(205, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3935, 0.2770, 0.2282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 255) }
```

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

```
.background{ background-color: rgb(205,  
163, 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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