

Converting Colors

$Y_{xy}(41.4300, 0.2729, 0.2165)$

Have a look what the booklet for
Yxy(41.4300, 0.2729, 0.2165)
contains.

Yxy(41.3036, 0.2735, 0.2165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.3036, 0.2735, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	C797FC
RGB	199, 151, 252
RGB Percent	78%, 59%, 99%
CMY	0.2198, 0.4077, 0.0119
CMYK	0.21, 0.40, 0.00, 0.01
HSL	268°, 94%, 79%
HSV	268°, 40%, 99%
XYZ	52.1780, 41.3036, 97.2972
YIQ	176.8660, -3.8130, 41.5870

Conversions

Conversions Part 2

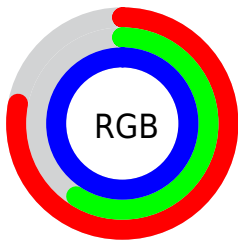
Format	Color
R _Y B	199, 151, 252
Decimal	13080572
CIE Lab	70.39, 37.04, -43.69
CIE LCh	70, 57.282, 310.290
Yxy	41.3036, 0.2735, 0.2165
Android (android.graphics.Color)	4291270652 (0xFFC797FC)
YUV	176.8660, 37.0411, 19.4115
Hunter-Lab	64.2679, 32.4523, -44.7735

Details

The Yxy color **41.3036, 0.2735, 0.2165** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.6854, 0.3398, 0.4406**, and the grayscale version is **43.6961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **18.7035, 0.2610, 0.1904** is the 20% darker color. If you saturate the color by 10%, you get **32.3095, 0.2606, 0.1863**, and if you desaturate by 10%, it is **52.1916, 0.2853, 0.2468**.

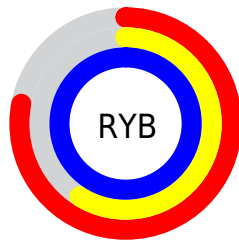
Distribution



Red (78%)

Green (59%)

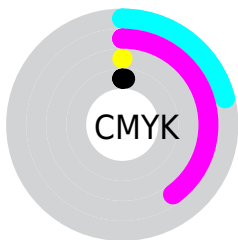
Blue (99%)



Red (78%)

Yellow (59%)

Blue (99%)

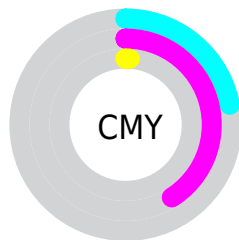


Cyan (21%)

Magenta (40%)

Yellow (0%)

Black (1%)



Cyan (22%)


Magenta (41%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3036, 0.2735, 0.2165 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 41.3036, 0.2735, 0.2165 by changing the saturation by 10% instead.


 41.3036, 0.2735,
0.2165

 41.3036, 0.2735,
0.2165


351.5879, 0.2943,
0.2685

 28.5564, 0.2681,
0.2049


 77.1446, 0.2812,
0.2344

 18.7455, 0.2613,
0.1908


 101.0071, 0.2841,
0.2414

 11.4865, 0.2521,
0.1733


129.3435, 0.2865,
0.2474

 6.3951, 0.2395,
0.1513

162.5382, 0.2885,
0.2527

 3.0868, 0.2213,
0.1233

200.9756, 0.2903,
0.2574

 1.1772, 0.1939,
0.0876

245.0401, 0.2918,

 0.0430, 0.1566,

0.2615

0.0071

295.1161, 0.2931,
0.2652

0.0000, 0.0000,
0.0000

41.3036, 0.2735,
0.2165

41.3036, 0.2735,
0.2165

32.3095, 0.2606,
0.1863

52.1916, 0.2853,
0.2468

25.0889, 0.2468,
0.1576

65.0739, 0.2958,
0.2760

19.5149, 0.2328,
0.1319

80.0496, 0.3049,
0.3035

15.4409, 0.2192,
0.1107

97.2097, 0.3127,
0.3289

12.6926, 0.2067,
0.0952

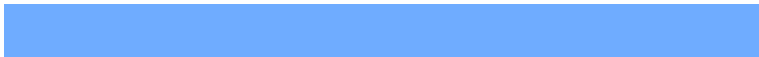
99.8068, 0.3145,
0.3319

■ 10.9934, 0.1956,
0.0851

Harmonies

Analogous

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



41.3036, 0.2112, 0.2048



41.3036, 0.2735, 0.2165



41.3036, 0.3569, 0.2503

Triad

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



41.3036, 0.2735, 0.2165



41.3036, 0.4631, 0.4186



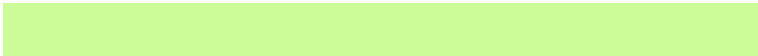
41.3036, 0.1996, 0.3437

Complementary

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



41.3036, 0.2735, 0.2165



84.6854, 0.3398, 0.4406

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.



41.3036, 0.2571, 0.4325



41.3036, 0.2735, 0.2165



41.3036, 0.4093, 0.4682

Square

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



41.3036, 0.2735, 0.2165



41.3036, 0.4756, 0.3587



41.3036, 0.3340, 0.4812



41.3036, 0.1732, 0.2650

Rectangle

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



41.3036, 0.2735, 0.2165



41.3036, 0.4121, 0.2823



41.3036, 0.3340, 0.4812



41.3036, 0.2156, 0.3744

Sweetspot

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



41.3053, 0.2735, 0.2165



79.0848, 0.3032, 0.2983



57.2080, 0.2486, 0.2728



16.4821, 0.3021, 0.2948



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.



41.3053, 0.2735, 0.2165



34.9247, 0.2633, 0.1924



49.2376, 0.3145, 0.2292



17.0471, 0.3054, 0.3050



5.8142, 0.1974, 0.0861



0.6011, 0.2104, 0.0933

Inverse Universe

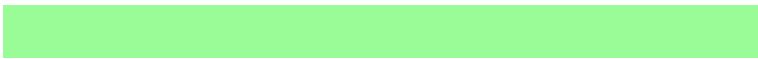
The Inverse Universe completely reimagines the original color for something new.



47.1955, 0.3605, 0.2739



41.9518, 0.3744, 0.2634



78.7498, 0.3088, 0.4521



17.3776, 0.3211, 0.3166



11.6835, 0.4855, 0.2448



1.1035, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 41.3036, 0.2735, 0.2165 looks on a white background.

Color Contrast Check

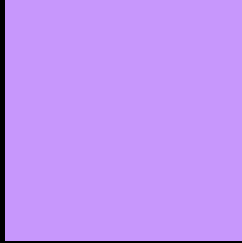
Large Text (above 18pt) WCAG AA × Fail

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 41.3036, 0.2735, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

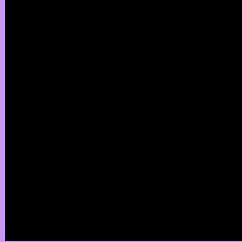
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3036, 0.2735, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 41.3036, 0.2735, 0.2165.



This preview shows how white text looks on a background with the Yxy color 41.3036, 0.2735, 0.2165.

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

41.3036, 0.2735, 0.2165

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.7428, 0.2391, 0.2330



Tritanopia

41.4975, 0.3199, 0.3120

Trichromacy



Original Color

41.3036, 0.2735, 0.2165



Protanomaly

41.1367, 0.2471, 0.2206



Deuteranomaly

41.1770, 0.2501, 0.2265

Tritanomaly

41.0223, 0.3018, 0.2729

Monochromacy



Original Color

41.3036, 0.2735, 0.2165



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.6792, 0.2982, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3036, 0.2735, 0.2165 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(199, 151, 252)` looks like.

```
.text, #text, p{  
    color:rgb(199, 151, 252)  
}
```

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(199, 151, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 151, 252) }
```

Border

The CSS property to change the border of an element to Yxy 41.3036, 0.2735, 0.2165 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(199, 151, 252) }
```

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

```
.border{ border-color:rgb(199, 151, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 151, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 151, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 151, 252);  
box-shadow:4px 4px 4px 4px rgb(199, 151,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3036, 0.2735, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 151, 252) }
```

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

```
.background{ background-color: rgb(199,  
151, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor