

Converting Colors

$Y_{xy}(43.1555, 0.2554, 0.1933)$

Have a look what the booklet for
Yxy(43.1555, 0.2554, 0.1933)
contains.

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Color

Yxy(41.4953, 0.2715, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	C797FF
RGB	199, 151, 255
RGB Percent	78%, 59%, 100%
CMY	0.2196, 0.4078, 0.0001
CMYK	0.22, 0.41, 0.00, 0.00
HSL	268°, 100%, 80%
HSV	268°, 41%, 100%
XYZ	52.6693, 41.4953, 99.8293
YIQ	177.2080, -4.7760, 42.5200

Conversions

Conversions Part 2

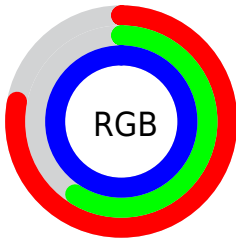
Format	Color
RYB	199, 151, 255
Decimal	13080575
CIELab	70.52, 37.75, -45.12
CIELCh	71, 58.828, 309.916
Yxy	41.4953, 0.2715, 0.2139
Android (android.graphics.Color)	4291270655 (0xFFC797FF)
YUV	177.2080, 38.3515, 19.1116
Hunter-Lab	64.4168, 33.2180, -46.7922

Details

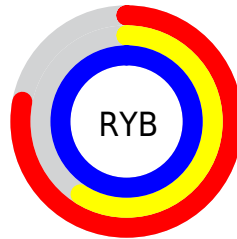
The Yxy color **41.4953, 0.2715, 0.2139** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.0086, 0.3411, 0.4425**, and the grayscale version is **43.8794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **18.8405, 0.2585, 0.1874** is the 20% darker color. If you saturate the color by 10%, you get **32.3641, 0.2582, 0.1835**, and if you desaturate by 10%, it is **52.5739, 0.2837, 0.2444**.

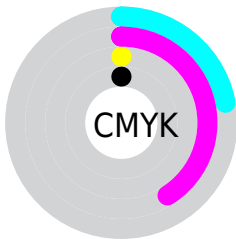
Distribution



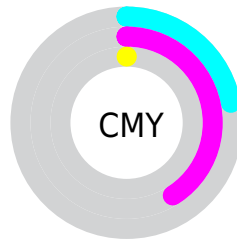
- Red (78%)
- Green (59%)
- Blue (100%)



- Red (78%)
- Yellow (59%)
- Blue (100%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4953, 0.2715, 0.2139 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 41.4953, 0.2715, 0.2139 by changing the saturation by 10% instead.


 41.4953, 0.2715,
0.2139


 41.4953, 0.2715,
0.2139


352.3865, 0.2933,
0.2668

 28.7063, 0.2659,
0.2021


 77.4352, 0.2796,
0.2321

 18.8588, 0.2588,
0.1879


 101.3549, 0.2825,
0.2392

 11.5683, 0.2493,
0.1702


129.7536, 0.2851,
0.2454

 6.4504, 0.2363,
0.1482

163.0158, 0.2872,
0.2507

 3.1209, 0.2177,
0.1202

201.5258, 0.2890,
0.2555

 1.1952, 0.1900,
0.0849

245.6679, 0.2906,

 0.0577, 0.1521,

0.2597

0.0089

295.8267, 0.2920,
0.2635

0.0000, 0.0000,
0.0000

41.4953, 0.2715,
0.2139

41.4953, 0.2715,
0.2139

32.3641, 0.2582,
0.1835

52.5739, 0.2837,
0.2444

25.0552, 0.2441,
0.1547

65.7043, 0.2946,
0.2738

19.4366, 0.2298,
0.1291

80.9895, 0.3040,
0.3016

15.3551, 0.2160,
0.1082

98.5236, 0.3121,
0.3271

12.6281, 0.2034,
0.0930

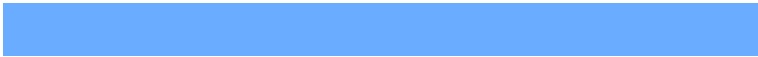
99.9991, 0.3127,
0.3290

■ 11.0512, 0.1932,
0.0838

Harmonies

Analogous

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



41.4953, 0.2083, 0.2022



41.4953, 0.2715, 0.2139



41.4953, 0.3568, 0.2480

Triad

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



41.4953, 0.2715, 0.2139



41.4953, 0.4668, 0.4192



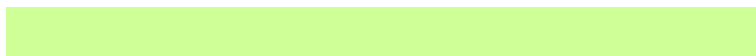
41.4953, 0.1976, 0.3450

Complementary

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



41.4953, 0.2715, 0.2139



87.0086, 0.3411, 0.4425

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.



41.4953, 0.2564, 0.4365



41.4953, 0.2715, 0.2139



41.4953, 0.4120, 0.4708

Square

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



41.4953, 0.2715, 0.2139



41.4953, 0.4794, 0.3581



41.4953, 0.3351, 0.4855



41.4953, 0.1704, 0.2640

Rectangle

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



41.4953, 0.2715, 0.2139



41.4953, 0.4137, 0.2805



41.4953, 0.3351, 0.4855



41.4953, 0.2139, 0.3767

Sweetspot

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



41.4970, 0.2715, 0.2139



79.0151, 0.3030, 0.2983



59.0053, 0.2478, 0.2737



16.4658, 0.3018, 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.



41.4970, 0.2715, 0.2139



33.8565, 0.2606, 0.1889



49.6383, 0.3131, 0.2270



17.7886, 0.3051, 0.3049



5.8617, 0.1949, 0.0847



0.6349, 0.2073, 0.0916

Inverse Universe

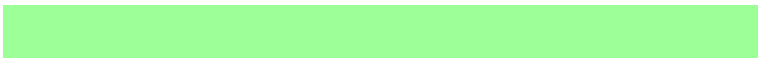
The Inverse Universe completely reimagines the original color for something new.



47.8959, 0.3604, 0.2716



41.2842, 0.3745, 0.2605



80.8342, 0.3097, 0.4544



18.1506, 0.3209, 0.3163



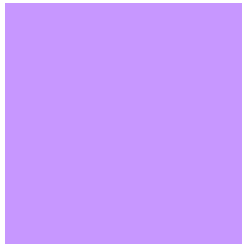
12.0872, 0.4802, 0.2419



1.1990, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 41.4953, 0.2715, 0.2139 looks on a white background.

Color Contrast Check

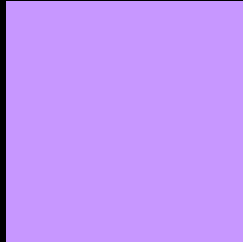
Large Text (above 18pt) WCAG AA × Fail

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 41.4953, 0.2715, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

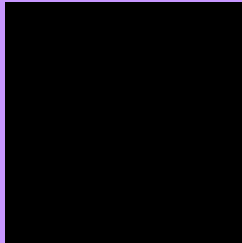
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4953, 0.2715, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 41.4953, 0.2715, 0.2139.



This preview shows how white text looks on a background with the Yxy color 41.4953, 0.2715, 0.2139.

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

41.4953, 0.2715, 0.2139

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.7536, 0.2363, 0.2297



Tritanopia

41.3718, 0.3190, 0.3120

Trichromacy



Original Color

41.4953, 0.2715, 0.2139

Protanomaly

41.2009, 0.2466, 0.2197

Deuteranomaly

41.2606, 0.2477, 0.2234

Tritanomaly

41.0711, 0.3010, 0.2718

Monochromacy



Original Color

41.4953, 0.2715, 0.2139

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.7273, 0.2974, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4953, 0.2715, 0.2139 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 151, 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(199, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.4953, 0.2715, 0.2139 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, 255) }
```

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

```
.border{ border-color:rgb(199, 151, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4953, 0.2715, 0.2139 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, 255) }
```

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

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