

Converting Colors

$Y_{xy}(42.9816, 0.2764, 0.2175)$

Have a look what the booklet for
Yxy(42.9816, 0.2764, 0.2175)
contains.

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Color

Yxy(42.9816, 0.2764, 0.2175)

Conversions

Conversions Part 1

Format	Color
Hex	CD99FF
RGB	205, 153, 255
RGB Percent	80%, 60%, 100%
CMY	0.1960, 0.4000, 0.0000
CMYK	0.20, 0.40, 0.00, 0.00
HSL	271°, 100%, 80%
HSV	271°, 40%, 100%
XYZ	54.6212, 42.9816, 100.0137
YIQ	180.1760, -1.7500, 42.7460

Conversions

Conversions Part 2

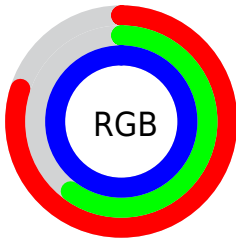
Format	Color
R _Y B	205, 153, 255
Decimal	13474303
CIE Lab	71.54, 38.36, -43.48
CIE LCh	72, 57.982, 311.420
Yxy	42.9816, 0.2764, 0.2175
Android (android.graphics.Color)	4291664383 (0xFFCD99FF)
YUV	180.1760, 36.8882, 21.7706
Hunter-Lab	65.5604, 33.9856, -44.5559

Details

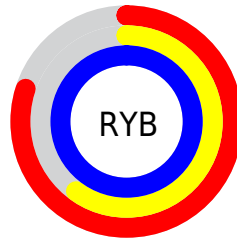
The Yxy color $42.9816, 0.2764, 0.2175$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.5022, 0.3374, 0.4414$, and the grayscale version is $45.5420, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $19.7741, 0.2649, 0.1923$ is the 20% darker color. If you saturate the color by 10%, you get $33.8033, 0.2643, 0.1878$, and if you desaturate by 10%, it is $54.0884, 0.2874, 0.2474$.

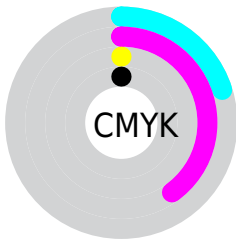
Distribution



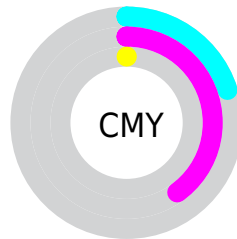
- Red (80%)
- Green (60%)
- Blue (100%)



- Red (80%)
- Yellow (60%)
- Blue (100%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9816, 0.2764, 0.2175 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 42.9816, 0.2764, 0.2175 by changing the saturation by 10% instead.

 42.9816, 0.2764,
0.2175


 42.9816, 0.2764,
0.2175


358.5361, 0.2957,
0.2686

 29.8707, 0.2714,
0.2062


 79.6831, 0.2836,
0.2350

 19.7405, 0.2651,
0.1924


 104.0425, 0.2862,
0.2419

 12.2065, 0.2566,
0.1754


132.9201, 0.2884,
0.2479

 6.8845, 0.2449,
0.1540

166.7004, 0.2903,
0.2531

 3.3900, 0.2282,
0.1268

205.7677, 0.2919,
0.2577

 1.3386, 0.2028,
0.0921

250.5065, 0.2934,

 0.1708, 0.1668,

0.2617

0.0253

301.3012, 0.2946,
0.2654

0.0000, 0.0186,
0.0000

0.0000, 0.0000,
0.0000

42.9816, 0.2764,
0.2175

42.9816, 0.2764,
0.2175

33.8033, 0.2643,
0.1878

54.0884, 0.2874,
0.2474

26.4304, 0.2515,
0.1596

67.2262, 0.2971,
0.2763

20.7333, 0.2383,
0.1345

82.4963, 0.3055,
0.3037

16.5618, 0.2253,
0.1139

99.9915, 0.3127,
0.3290

■ 13.7378, 0.2133,
0.0988

99.9992, 0.3127,
0.3290

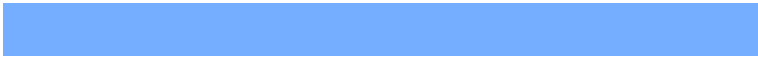
■ 11.9716, 0.2024,
0.0889

■ 11.9714, 0.2024,
0.0889

Harmonies

Analogous

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



42.9816, 0.2131, 0.2049



42.9816, 0.2764, 0.2175



42.9816, 0.3601, 0.2520

Triad

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



42.9816, 0.2764, 0.2175



42.9816, 0.4615, 0.4207



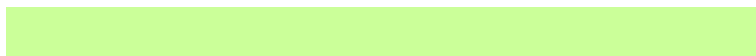
42.9816, 0.1982, 0.3402

Complementary

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



42.9816, 0.2764, 0.2175



86.5022, 0.3374, 0.4414

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.



42.9816, 0.2545, 0.4294



42.9816, 0.2764, 0.2175



42.9816, 0.4067, 0.4694

Square

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



42.9816, 0.2764, 0.2175



42.9816, 0.4759, 0.3610



42.9816, 0.3310, 0.4803



42.9816, 0.1730, 0.2627

Rectangle

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



42.9816, 0.2764, 0.2175



42.9816, 0.4149, 0.2843



42.9816, 0.3310, 0.4803



42.9816, 0.2137, 0.3708

Sweetspot

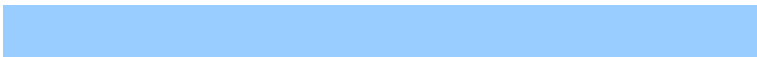
The Sweet Spot groups the original color and five complimentary colors.



42.9833, 0.2764, 0.2175



79.2737, 0.3039, 0.2984



57.1729, 0.2480, 0.2687



16.5266, 0.3029, 0.2949



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.



42.9833, 0.2764, 0.2175



35.4934, 0.2668, 0.1937



51.2580, 0.3174, 0.2302



17.8333, 0.3059, 0.3050



6.3452, 0.2041, 0.0898



0.6828, 0.2162, 0.0965

Inverse Universe

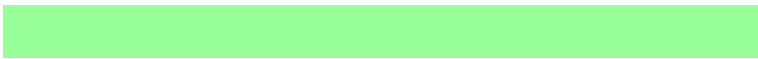
The Inverse Universe completely reimagines the original color for something new.



48.3486, 0.3639, 0.2775



41.7563, 0.3791, 0.2676



80.5836, 0.3069, 0.4526



18.1354, 0.3217, 0.3174



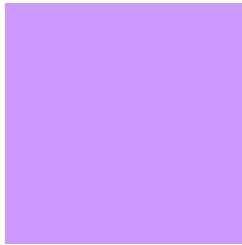
11.9113, 0.5007, 0.2532



1.1818, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 42.9816, 0.2764, 0.2175 looks on a white background.

Color Contrast Check

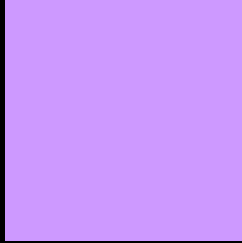
Large Text (above 18pt) WCAG AA × Fail

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 42.9816, 0.2764, 0.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

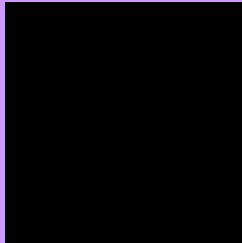
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9816, 0.2764, 0.2175

Background



This preview shows how black text looks on a background with the Yxy color 42.9816, 0.2764, 0.2175.



This preview shows how white text looks on a background with the Yxy color 42.9816, 0.2764, 0.2175.

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

42.9816, 0.2764, 0.2175

Protanopia

43.4030, 0.2389, 0.2294

Deuteranopia

43.4402, 0.2406, 0.2344



Tritanopia

43.0908, 0.3235, 0.3124

Trichromacy



Original Color

42.9816, 0.2764, 0.2175



Protanomaly

42.9275, 0.2511, 0.2244



Deuteranomaly

42.6255, 0.2521, 0.2270



Tritanomaly

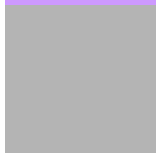
42.6682, 0.3047, 0.2729

Monochromacy



Original Color

42.9816, 0.2764, 0.2175



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.0733, 0.2993, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9816, 0.2764, 0.2175 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.9816, 0.2764, 0.2175 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, 153, 255) }
```

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

```
.border{ border-color:rgb(205, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9816, 0.2764, 0.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 153, 255) }
```

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

```
.background{ background-color: rgb(205,  
153, 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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