

Converting Colors

Yxy(54.2318, 0.2520, 0.2034)

Have a look what the booklet for
Yxy(54.2318, 0.2520, 0.2034)
contains.

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Color

Yxy(51.0018, 0.2786, 0.2415)

Conversions

Conversions Part 1

Format	Color
Hex	CEAFFF
RGB	206, 175, 255
RGB Percent	81%, 69%, 100%
CMY	0.1921, 0.3137, 0.0000
CMYK	0.19, 0.31, 0.00, 0.00
HSL	263°, 100%, 84%
HSV	263°, 31%, 100%
XYZ	58.8369, 51.0018, 101.3489
YIQ	193.3890, -7.2040, 31.4520

Conversions

Conversions Part 2

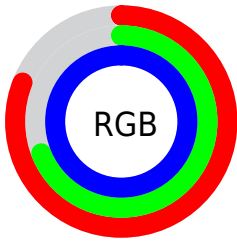
Format	Color
R _Y B	206, 175, 255
Decimal	13545471
CIE Lab	76.68, 26.65, -35.48
CIE LCh	77, 44.374, 306.904
Yxy	51.0018, 0.2786, 0.2415
Android (android.graphics.Color)	4291735551 (0xFFCEAFFF)
YUV	193.3890, 30.3742, 11.0598
Hunter-Lab	71.4155, 22.0829, -34.1501

Details

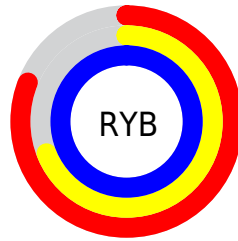
The Yxy color **51.0018, 0.2786, 0.2415** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.4577, 0.3393, 0.4134**, and the grayscale version is **53.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **24.5756, 0.2693, 0.2212** is the 20% darker color. If you saturate the color by 10%, you get **39.8727, 0.2646, 0.2101**, and if you desaturate by 10%, it is **64.2311, 0.2911, 0.2717**.

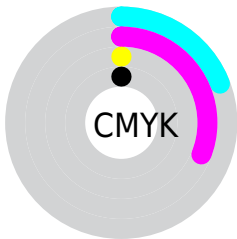
Distribution



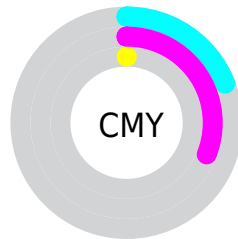
- Red (81%)
- Green (69%)
- Blue (100%)



- Red (81%)
- Yellow (69%)
- Blue (100%)



- Cyan (19%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0018, 0.2786, 0.2415 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 51.0018, 0.2786, 0.2415 by changing the saturation by 10% instead.


 51.0018, 0.2786,
0.2415

 51.0018, 0.2786,
0.2415

390.5708, 0.2958,
0.2817

 36.2100, 0.2743,
0.2325


 91.6574, 0.2848,
0.2553

 24.5965, 0.2689,
0.2215


118.2901, 0.2872,
0.2607

 15.7767, 0.2619,
0.2078


149.6385, 0.2892,
0.2654

 9.3663, 0.2523,
0.1903

186.0871, 0.2909,
0.2695

 4.9808, 0.2388,
0.1675

228.0202, 0.2924,
0.2731

 2.2360, 0.2186,
0.1368

275.8223, 0.2937,

 0.7395, 0.1865,

0.2763

0.0942

329.8777, 0.2948,
0.2791

0.0000, 0.1050,
0.0000

0.0000, 0.0000,
0.0000

51.0018, 0.2786,
0.2415

51.0018, 0.2786,
0.2415

39.8727, 0.2646,
0.2101

64.2311, 0.2911,
0.2717

30.7253, 0.2495,
0.1787

79.6580, 0.3021,
0.2998

23.4387, 0.2338,
0.1489

97.3812, 0.3115,
0.3257

17.8758, 0.2180,
0.1223

99.9999, 0.3127,
0.3290

■ 13.8793, 0.2033,
0.1008

■ 11.2614, 0.1902,
0.0855

■ 9.8659, 0.1806,
0.0769

Harmonies

Analogous

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



51.0018, 0.2327, 0.2353



51.0018, 0.2786, 0.2415



51.0018, 0.3387, 0.2661

Triad

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



51.0018, 0.2786, 0.2415



51.0018, 0.4270, 0.3953



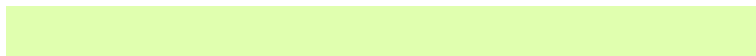
51.0018, 0.2332, 0.3483

Complementary

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



51.0018, 0.2786, 0.2415



90.4577, 0.3393, 0.4134

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.



51.0018, 0.2798, 0.4068



51.0018, 0.2786, 0.2415



51.0018, 0.3924, 0.4298

Square

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



51.0018, 0.2786, 0.2415



51.0018, 0.4295, 0.3500



51.0018, 0.3381, 0.4376



51.0018, 0.2085, 0.2900

Rectangle

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



51.0018, 0.2786, 0.2415



51.0018, 0.3786, 0.2906



51.0018, 0.3381, 0.4376



51.0018, 0.2466, 0.3692

Sweetspot

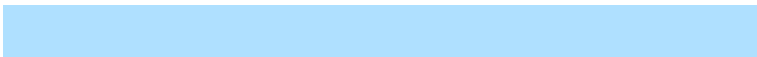
The Sweet Spot groups the original color and five complimentary colors.



51.0039, 0.2786, 0.2415



83.6532, 0.3045, 0.3062



69.8235, 0.2635, 0.2945



17.3777, 0.3030, 0.3023



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.



51.0039, 0.2786, 0.2415



43.4001, 0.2695, 0.2208



57.4115, 0.3090, 0.2490



17.7211, 0.3040, 0.3049



5.2349, 0.1823, 0.0778



0.5705, 0.1948, 0.0847

Inverse Universe

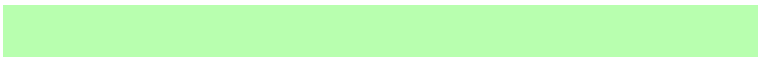
The Inverse Universe completely reimagines the original color for something new.



57.2995, 0.3412, 0.2792



50.7797, 0.3494, 0.2685



84.8455, 0.3139, 0.4205



18.1740, 0.3198, 0.3145



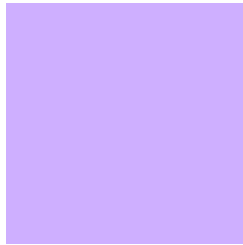
12.3953, 0.4494, 0.2249



1.2283, 0.4307, 0.2147

Previews

White Background



This preview shows how the Yxy color 51.0018, 0.2786, 0.2415 looks on a white background.

Color Contrast Check

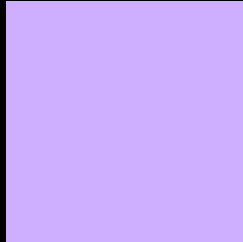
Large Text (above 18pt) WCAG AA × Fail

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 51.0018, 0.2786, 0.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

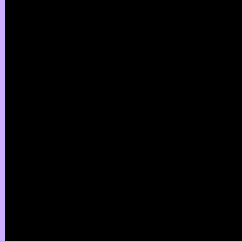
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0018, 0.2786, 0.2415

Background



This preview shows how black text looks on a background with the Yxy color 51.0018, 0.2786, 0.2415.

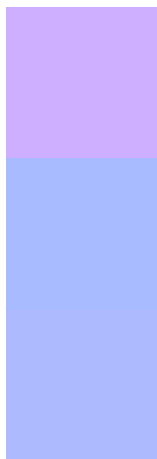


This preview shows how white text looks on a background with the Yxy color 51.0018, 0.2786, 0.2415.

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

51.0018, 0.2786, 0.2415

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0939, 0.2579, 0.2509



Tritanopia

51.1583, 0.3110, 0.3119

Trichromacy



Original Color

51.0018, 0.2786, 0.2415

Protanomaly

51.0321, 0.2623, 0.2466

Deuteranomaly

50.9259, 0.2648, 0.2469

Tritanomaly

50.9026, 0.2985, 0.2842

Monochromacy



Original Color

51.0018, 0.2786, 0.2415

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.0814, 0.2999, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0018, 0.2786, 0.2415 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(206, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 175, 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(206, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.0018, 0.2786, 0.2415 is called "border". The border property can be set on classes, ids or directly on the HTML element.

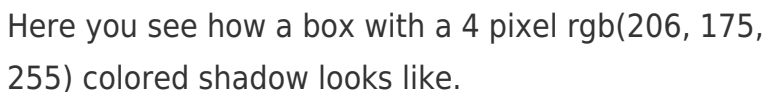
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 175, 255) }
```

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

```
.border{ border-color:rgb(206, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0018, 0.2786, 0.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 175, 255) }
```

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

```
.background{ background-color: rgb(206,  
175, 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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