

# Converting Colors

$Y_{xy}(43.2101, 0.2758, 0.2184)$

Have a look what the booklet for  
Yxy(43.2101, 0.2758, 0.2184)  
contains.

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# Color

**Yxy(43.1686, 0.2756, 0.2183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC9AFF
RGB	204, 154, 255
RGB Percent	80%, 60%, 100%
CMY	0.2002, 0.3960, 0.0000
CMYK	0.20, 0.40, 0.00, 0.00
HSL	270°, 100%, 80%
HSV	270°, 40%, 100%
XYZ	54.4996, 43.1686, 100.0808
YIQ	180.4640, -2.6210, 42.0110

# Conversions

## Conversions Part 2

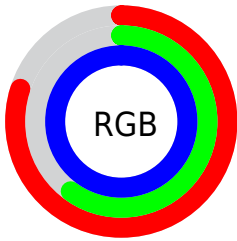
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 154, 255</a>
Decimal	<a href="#">13409023</a>
CIELab	<a href="#">71.67, 37.50, -43.30</a>
CIELCh	<a href="#">72, 57.288, 310.894</a>
Yxy	<a href="#">43.1686, 0.2756, 0.2183</a>
Android (android.graphics.Color)	<a href="#">4291599103 (0xFFCC9AFF)</a>
YUV	<a href="#">180.4640, 36.7462, 20.6411</a>
Hunter-Lab	<a href="#">65.7028, 33.0835, -44.3206</a>

# Details

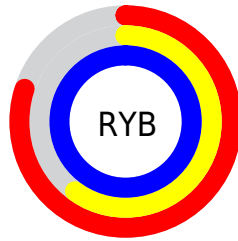
The Yxy color  $43.1686, 0.2756, 0.2183$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $86.8425, 0.3383, 0.4398$ , and the grayscale version is  $45.7027, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.0809, 0.3148, 0.2841$ , and  $19.8759, 0.2640, 0.1932$  is the 20% darker color. If you saturate the color by 10%, you get  $33.8794, 0.2632, 0.1884$ , and if you desaturate by 10%, it is  $54.3977, 0.2869, 0.2483$ .

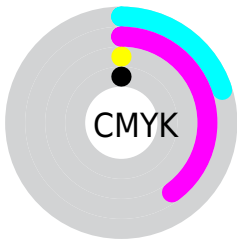
# Distribution



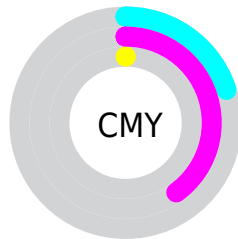
- Red (80%)
- Green (60%)
- Blue (100%)



- 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 43.1686, 0.2756, 0.2183 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 43.1686, 0.2756, 0.2183 by changing the saturation by 10% instead.





 43.1686, 0.2756,  
0.2183


 43.1686, 0.2756,  
0.2183


359.3047, 0.2952,  
0.2691

 30.0174, 0.2706,  
0.2070


 79.9652, 0.2829,  
0.2357

 19.8518, 0.2641,  
0.1933


 104.3795, 0.2856,  
0.2426

 12.2874, 0.2555,  
0.1764


133.3168, 0.2878,  
0.2485

 6.9397, 0.2438,  
0.1551

167.1617, 0.2897,  
0.2537

 3.4244, 0.2269,  
0.1280

206.2986, 0.2914,  
0.2582

 1.3571, 0.2014,  
0.0933

251.1118, 0.2928,

 0.1848, 0.1651,

0.2623

0.0273

301.9857, 0.2941,  
0.2659

0.0000, 0.0156,  
0.0000

0.0000, 0.0000,  
0.0000

43.1686, 0.2756,  
0.2183

43.1686, 0.2756,  
0.2183

33.8794, 0.2632,  
0.1884

54.3977, 0.2869,  
0.2483

26.4103, 0.2500,  
0.1598

67.6723, 0.2969,  
0.2774

20.6308, 0.2364,  
0.1343

83.0926, 0.3056,  
0.3047

16.3912, 0.2231,  
0.1132

100.0000, 0.3127,  
0.3290

■ 13.5144, 0.2108,  
0.0977

■ 11.7244, 0.1998,  
0.0875

■ 11.6628, 0.1993,  
0.0872

# Harmonies

## Analogous

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



43.1686, 0.2134, 0.2063



43.1686, 0.2756, 0.2183



43.1686, 0.3580, 0.2521

# Triad

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



43.1686, 0.2756, 0.2183



43.1686, 0.4604, 0.4189



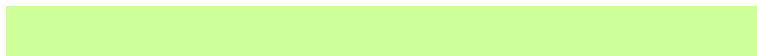
43.1686, 0.2003, 0.3418

# Complementary

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



43.1686, 0.2756, 0.2183



86.8425, 0.3383, 0.4398

# 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.



43.1686, 0.2566, 0.4293



43.1686, 0.2756, 0.2183



43.1686, 0.4069, 0.4672

# Square

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



43.1686, 0.2756, 0.2183



43.1686, 0.4736, 0.3599



43.1686, 0.3323, 0.4784



43.1686, 0.1747, 0.2648



# Rectangle

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



43.1686, 0.2756, 0.2183



43.1686, 0.4122, 0.2840



43.1686, 0.3323, 0.4784



43.1686, 0.2159, 0.3719

# Sweetspot

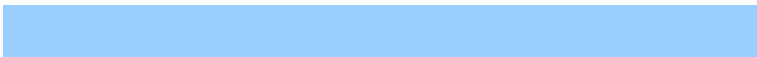
The Sweet Spot groups the original color and five complimentary colors.



43.1693, 0.2756, 0.2183



79.1899, 0.3036, 0.2984



58.3281, 0.2490, 0.2715



16.5069, 0.3025, 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.



43.1693, 0.2756, 0.2183



35.2397, 0.2652, 0.1931



51.2806, 0.3159, 0.2307



17.8188, 0.3057, 0.3050



6.1826, 0.2010, 0.0881



0.6668, 0.2133, 0.0949



# Inverse Universe

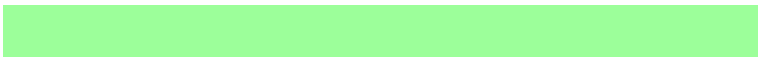
The Inverse Universe completely reimagines the original color for something new.



48.7894, 0.3617, 0.2765



41.8421, 0.3770, 0.2657



80.8923, 0.3079, 0.4508



18.1403, 0.3215, 0.3170



11.9659, 0.4941, 0.2496

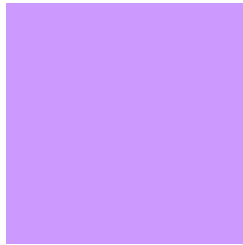


1.1871, 0.4690, 0.2357



# Previews

## White Background



This preview shows how the Yxy color 43.1686, 0.2756, 0.2183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

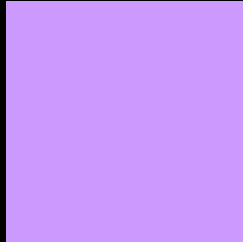
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1686, 0.2756, 0.2183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

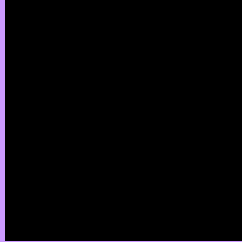
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1686, 0.2756, 0.2183**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1686, 0.2756, 0.2183.



This preview shows how white text looks on a background with the Yxy color 43.1686, 0.2756, 0.2183.

# 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

43.1686, 0.2756, 0.2183

### Protanopia

43.4030, 0.2389, 0.2294

### Deuteranopia

43.4402, 0.2406, 0.2344



## Tritanopia

43.0013, 0.3217, 0.3111

# Trichromacy



## Original Color

43.1686, 0.2756, 0.2183



## Protanomaly

42.8173, 0.2504, 0.2242



## Deuteranomaly

42.9905, 0.2523, 0.2282



## Tritanomaly

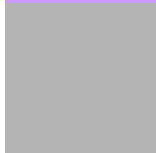
42.8901, 0.3038, 0.2740

# Monochromacy



## Original Color

43.1686, 0.2756, 0.2183



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

44.4496, 0.2993, 0.2842

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1686, 0.2756, 0.2183 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(204, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 154, 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(204, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 154, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1686, 0.2756, 0.2183 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(204, 154, 255) }
```

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

```
.border{ border-color:rgb(204, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 154,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1686, 0.2756, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 154, 255) }
```

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

```
.background{ background-color: rgb(204,  
154, 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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