

# Converting Colors

$Y_{xy}(39.1621, 0.2871, 0.2041)$

Have a look what the booklet for  
Yxy(39.1621, 0.2871, 0.2041)  
contains.

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**Color**

**Yxy(39.1715, 0.2868, 0.2043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D987FD
RGB	217, 135, 253
RGB Percent	85%, 53%, 99%
CMY	0.1493, 0.4704, 0.0079
CMYK	0.14, 0.47, 0.00, 0.01
HSL	282°, 97%, 76%
HSV	282°, 47%, 99%
XYZ	54.9897, 39.1715, 97.5740
YIQ	172.9700, 10.9940, 54.0820

# Conversions

## Conversions Part 2

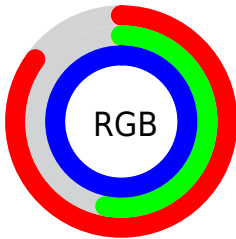
Format	Color
R <sub>Y</sub> B	217, 135, 253
Decimal	14256125
CIE Lab	68.88, 50.79, -46.48
CIE LCh	69, 68.850, 317.534
Yxy	39.1715, 0.2868, 0.2043
Android (android.graphics.Color)	4292446205 (0xFFD987FD)
YUV	172.9700, 39.4548, 38.6143
Hunter-Lab	62.5871, 47.3043, -48.6228

# Details

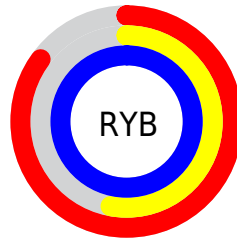
The Yxy color  $39.1715, 0.2868, 0.2043$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $80.6584, 0.3264, 0.4676$ , and the grayscale version is  $41.5667, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $65.3069, 0.3157, 0.2653$ , and  $17.4937, 0.2772, 0.1765$  is the 20% darker color. If you saturate the color by 10%, you get  $31.7726, 0.2791, 0.1787$ , and if you desaturate by 10%, it is  $48.3063, 0.2939, 0.2316$ .

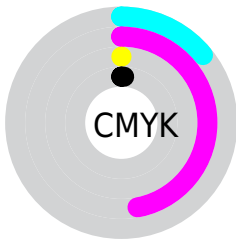
# Distribution



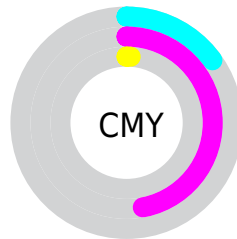
- Red (85%)
- Green (53%)
- Blue (99%)



- Red (85%)
- Yellow (53%)
- Blue (99%)



- Cyan (14%)
- Magenta (47%)
- Yellow (0%)
- Black (1%)




- Cyan (15%)
- Magenta (47%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1715, 0.2868, 0.2043 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 39.1715, 0.2868, 0.2043 by changing the saturation by 10% instead.





 39.1715, 0.2868,  
0.2043


 39.1715, 0.2868,  
0.2043


342.6191, 0.3018,  
0.2611


 26.8932, 0.2827,  
0.1918


 73.9002, 0.2926,  
0.2237

 17.4930, 0.2772,  
0.1768


 97.1194, 0.2947,  
0.2313

 10.5866, 0.2698,  
0.1584


 124.7544, 0.2964,  
0.2379

 5.7896, 0.2592,  
0.1355

157.1895, 0.2978,  
0.2437

 2.7176, 0.2435,  
0.1070

194.8091, 0.2990,  
0.2488

 0.9861, 0.2189,  
0.0720

237.9976, 0.3001,

 0.0000, 0.1842,

0.2534

0.0000

287.1395, 0.3010,  
0.2575

0.0000, 0.0299,  
0.0000

0.0000, 0.0000,  
0.0000

39.1715, 0.2868,  
0.2043

39.1715, 0.2868,  
0.2043

31.7726, 0.2791,  
0.1787

48.3063, 0.2939,  
0.2316

25.9832, 0.2708,  
0.1559

59.2816, 0.3001,  
0.2593

21.6676, 0.2624,  
0.1371

72.1994, 0.3055,  
0.2865

18.6645, 0.2541,  
0.1230

87.1527, 0.3101,  
0.3126

■ 16.7718, 0.2461,  
0.1139

99.8706, 0.3139,  
0.3309

■ 16.2788, 0.2435,  
0.1115

# Harmonies

## Analogous

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



39.1715, 0.2065, 0.1841



39.1715, 0.2868, 0.2043



39.1715, 0.3910, 0.2480

# Triad

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



39.1715, 0.2868, 0.2043



39.1715, 0.4775, 0.4458



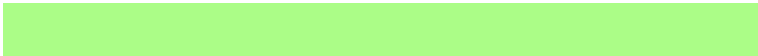
39.1715, 0.1669, 0.3179

# Complementary

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



39.1715, 0.2868, 0.2043



80.6584, 0.3264, 0.4676

# 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.



39.1715, 0.2241, 0.4336



39.1715, 0.2868, 0.2043



39.1715, 0.4029, 0.5050

# Square

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



39.1715, 0.2868, 0.2043



39.1715, 0.5108, 0.3754



39.1715, 0.3108, 0.5120



39.1715, 0.1472, 0.2329



# Rectangle

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



39.1715, 0.2868, 0.2043



39.1715, 0.4553, 0.2867



39.1715, 0.3108, 0.5120



39.1715, 0.1818, 0.3553

# Sweetspot

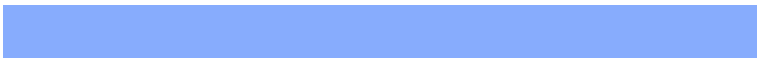
The Sweet Spot groups the original color and five complimentary colors.



39.1731, 0.2868, 0.2043



77.2882, 0.3068, 0.2935



41.9012, 0.2323, 0.2287



15.8732, 0.3058, 0.2877



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.



39.1731, 0.2868, 0.2043



32.7522, 0.2795, 0.1801



44.0108, 0.3374, 0.2333



18.0054, 0.3089, 0.3052



8.7414, 0.2447, 0.1122



0.9086, 0.2536, 0.1171



# Inverse Universe

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



41.1652, 0.4002, 0.2914



35.2880, 0.4287, 0.2852



77.8163, 0.2957, 0.4496



18.0785, 0.3246, 0.3218



11.4191, 0.5748, 0.2940

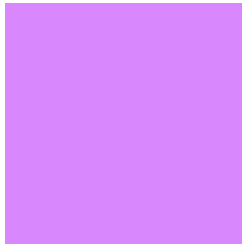


1.1303, 0.5428, 0.2764



# Previews

## White Background



This preview shows how the Yxy color 39.1715, 0.2868, 0.2043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

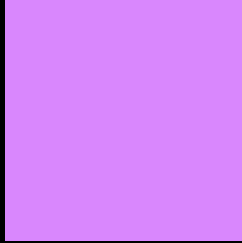
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1715, 0.2868, 0.2043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

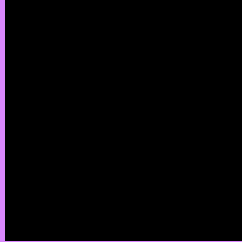
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1715, 0.2868, 0.2043**

## Background



This preview shows how black text looks on a background with the Yxy color 39.1715, 0.2868, 0.2043.



This preview shows how white text looks on a background with the Yxy color 39.1715, 0.2868, 0.2043.

# 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

39.1715, 0.2868, 0.2043

### Protanopia

39.7267, 0.2303, 0.2187

### Deuteranopia

39.5037, 0.2339, 0.2276



## Tritanopia

39.0701, 0.3503, 0.3139

# Trichromacy



## Original Color

39.1715, 0.2868, 0.2043



## Protanomaly

38.5978, 0.2472, 0.2114



## Deuteranomaly

38.2816, 0.2501, 0.2159



## Tritanomaly

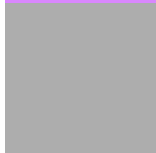
38.8123, 0.3262, 0.2689

# Monochromacy



## Original Color

39.1715, 0.2868, 0.2043



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

39.8794, 0.3034, 0.2747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1715, 0.2868, 0.2043 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(217, 135, 253)` looks like.

```
.text, #text, p{  
    color:rgb(217, 135, 253)  
}
```

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(217, 135, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 135, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1715, 0.2868, 0.2043 is called "border". The border property can be set on classes, ids or directly on the HTML element.

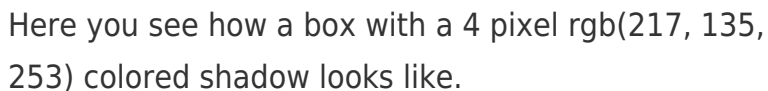
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 135, 253) }
```

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

```
.border{ border-color:rgb(217, 135, 253) }
```

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



Here you see how a box with a 4 pixel rgb(217, 135, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 135, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 135, 253);  
box-shadow:4px 4px 4px 4px rgb(217, 135,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1715, 0.2868, 0.2043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 135, 253) }
```

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

```
.background{ background-color: rgb(217,  
135, 253) }
```

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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