

# Converting Colors

Yxy(48.4944, 0.2234, 0.1400)

Have a look what the booklet for  
Yxy(48.4944, 0.2234, 0.1400)  
contains.

<b>Yxy(39.2575, 0.2820, 0.2034)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(39.2575, 0.2820, 0.2034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D589FF
RGB	213, 137, 255
RGB Percent	84%, 54%, 100%
CMY	0.1649, 0.4626, 0.0000
CMYK	0.16, 0.46, 0.00, 0.00
HSL	279°, 100%, 77%
HSV	279°, 46%, 100%
XYZ	54.4278, 39.2575, 99.3211
YIQ	173.1760, 7.4180, 52.8100

# Conversions

## Conversions Part 2

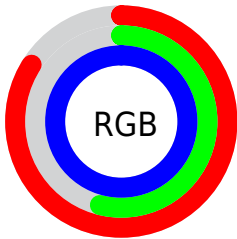
Format	Color
R <sub>Y</sub> B	213, 137, 255
Decimal	13994495
CIE Lab	68.94, 49.10, -47.52
CIE LCh	69, 68.329, 315.934
Yxy	39.2575, 0.2820, 0.2034
Android (android.graphics.Color)	4292184575 (0xFFD589FF)
YUV	173.1760, 40.3392, 34.9256
Hunter-Lab	62.6558, 45.4116, -50.1266

# Details

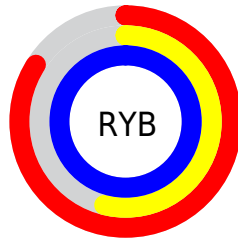
The Yxy color **39.2575, 0.2820, 0.2034** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.9184, 0.3301, 0.4648**, and the grayscale version is **41.6722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **17.4858, 0.2709, 0.1750** is the 20% darker color. If you saturate the color by 10%, you get **31.5233, 0.2729, 0.1768**, and if you desaturate by 10%, it is **48.7832, 0.2904, 0.2314**.

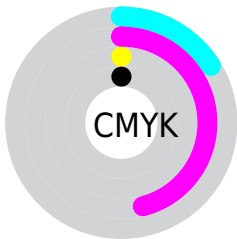
# Distribution



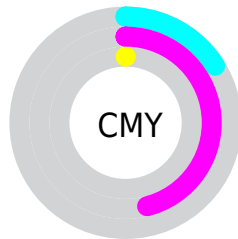
- Red (84%)
- Green (54%)
- Blue (100%)



- Red (84%)
- Yellow (54%)
- Blue (100%)



- Cyan (16%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (46%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2575, 0.2820, 0.2034 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 39.2575, 0.2820, 0.2034 by changing the saturation by 10% instead.





 39.2575, 0.2820,  
0.2034


 39.2575, 0.2820,  
0.2034

342.9840, 0.2993,  
0.2606


 26.9601, 0.2773,  
0.1909


 74.0315, 0.2886,  
0.2229

 17.5433, 0.2712,  
0.1757


 97.2769, 0.2910,  
0.2306

 10.6226, 0.2630,  
0.1572


 124.9405, 0.2930,  
0.2372

 5.8137, 0.2515,  
0.1343

157.4066, 0.2946,  
0.2431

 2.7321, 0.2345,  
0.1058

195.0596, 0.2961,  
0.2482

 0.9935, 0.2084,  
0.0709

238.2839, 0.2973,

 0.0000, 0.1719,

0.2528

0.0000

287.4639, 0.2984,  
0.2569

■ 0.0000, 0.0142,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.2575, 0.2820,  
0.2034

■ 39.2575, 0.2820,  
0.2034

■ 31.5233, 0.2729,  
0.1768

■ 48.7832, 0.2904,  
0.2314

■ 25.4533, 0.2633,  
0.1529

■ 60.2085, 0.2978,  
0.2597

■ 20.9085, 0.2534,  
0.1329

■ 73.6372, 0.3042,  
0.2873

■ 17.7252, 0.2438,  
0.1178

■ 89.1642, 0.3097,  
0.3135

■ 15.6996, 0.2347,  
0.1077

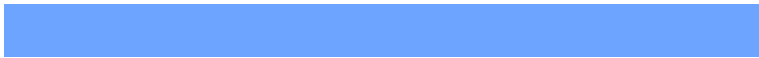
100.0000, 0.3127,  
0.3290

■ 15.1265, 0.2314,  
0.1048

# Harmonies

## Analogous

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



39.2575, 0.2039, 0.1847



39.2575, 0.2820, 0.2034



39.2575, 0.3848, 0.2458

# Triad

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



39.2575, 0.2820, 0.2034



39.2575, 0.4795, 0.4416



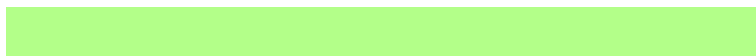
39.2575, 0.1700, 0.3238

# Complementary

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



39.2575, 0.2820, 0.2034



82.9184, 0.3301, 0.4648

# 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.



39.2575, 0.2289, 0.4384



39.2575, 0.2820, 0.2034



39.2575, 0.4070, 0.5015

# Square

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



39.2575, 0.2820, 0.2034



39.2575, 0.5095, 0.3717



39.2575, 0.3160, 0.5121



39.2575, 0.1485, 0.2371



# Rectangle

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



39.2575, 0.2820, 0.2034



39.2575, 0.4497, 0.2839



39.2575, 0.3160, 0.5121



39.2575, 0.1855, 0.3613

# Sweetspot

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



39.2587, 0.2820, 0.2034



76.9663, 0.3056, 0.2933



45.2973, 0.2342, 0.2371



15.7945, 0.3043, 0.2876



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.



39.2587, 0.2820, 0.2034



31.7059, 0.2731, 0.1775



45.4065, 0.3317, 0.2289



17.9577, 0.3081, 0.3052



7.9908, 0.2328, 0.1056



0.8394, 0.2429, 0.1111



# Inverse Universe

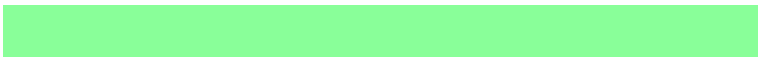
The Inverse Universe completely reimagines the original color for something new.



42.4159, 0.3927, 0.2855



35.5400, 0.4195, 0.2778



79.1323, 0.2986, 0.4560



18.0940, 0.3238, 0.3206



11.5280, 0.5559, 0.2836

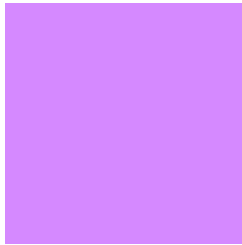


1.1424, 0.5245, 0.2663



# Previews

## White Background



This preview shows how the Yxy color 39.2575, 0.2820, 0.2034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

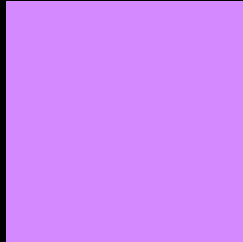
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2575, 0.2820, 0.2034 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

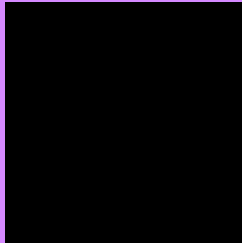
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2575, 0.2820, 0.2034**

## Background



This preview shows how black text looks on a background with the Yxy color 39.2575, 0.2820, 0.2034.



This preview shows how white text looks on a background with the Yxy color 39.2575, 0.2820, 0.2034.

# 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

39.2575, 0.2820, 0.2034

### Protanopia

39.7267, 0.2303, 0.2187

### Deuteranopia

39.4635, 0.2317, 0.2253



## Tritanopia

39.2579, 0.3439, 0.3137

# Trichromacy



## Original Color

39.2575, 0.2820, 0.2034



## Protanomaly

38.5552, 0.2459, 0.2103



## Deuteranomaly

38.4234, 0.2470, 0.2147



## Tritanomaly

38.9620, 0.3203, 0.2684

# Monochromacy



## Original Color

39.2575, 0.2820, 0.2034



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

40.1448, 0.3017, 0.2747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2575, 0.2820, 0.2034 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(213, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 137, 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(213, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 137, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2575, 0.2820, 0.2034 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(213, 137, 255) }
```

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

```
.border{ border-color:rgb(213, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 137,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2575, 0.2820, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 137, 255) }
```

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

```
.background{ background-color: rgb(213,  
137, 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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