

Converting Colors

Yxy(39.7411, 0.2854, 0.2068)

Have a look what the booklet for
Yxy(39.7411, 0.2854, 0.2068)
contains.

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Color

Yxy(39.7159, 0.2852, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	D78AFD
RGB	215, 138, 253
RGB Percent	84%, 54%, 99%
CMY	0.1571, 0.4587, 0.0079
CMYK	0.15, 0.45, 0.00, 0.01
HSL	280°, 97%, 77%
HSV	280°, 45%, 99%
XYZ	54.8256, 39.7159, 97.6942
YIQ	174.1330, 8.9770, 52.0890

Conversions

Conversions Part 2

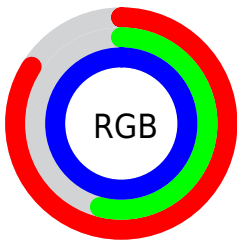
Format	Color
R _{YB}	215, 138, 253
Decimal	14125821
CIE _{Lab}	69.27, 48.69, -45.89
CIE _{LCh}	69, 66.904, 316.695
Yxy	39.7159, 0.2852, 0.2066
Android (android.graphics.Color)	4292315901 (0xFFD78AFD)
YUV	174.1330, 38.8814, 35.8404
Hunter-Lab	63.0206, 45.0027, -47.7967

Details

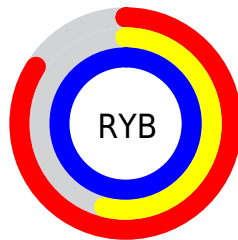
The Yxy color **39.7159, 0.2852, 0.2066** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.3210, 0.3281, 0.4629**, and the grayscale version is **42.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.7516, 0.2751, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **32.0462, 0.2768, 0.1803**, and if you desaturate by 10%, it is **49.1444, 0.2928, 0.2343**.

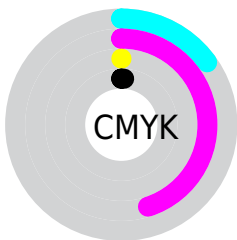
Distribution



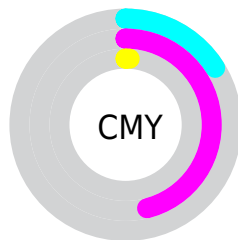
- Red (84%)
- Green (54%)
- Blue (99%)



- Red (84%)
- Yellow (54%)
- Blue (99%)



- Cyan (15%)
- Magenta (45%)
- Yellow (0%)
- Black (1%)





- Cyan (16%)
- Magenta (46%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7159, 0.2852, 0.2066 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 39.7159, 0.2852, 0.2066 by changing the saturation by 10% instead.


 39.7159, 0.2852,
0.2066


 39.7159, 0.2852,
0.2066


344.9247, 0.3008,
0.2624


 27.3171, 0.2809,
0.1943


 74.7307, 0.2912,
0.2257

 17.8115, 0.2753,
0.1795


 98.1155, 0.2934,
0.2332

 10.8148, 0.2677,
0.1612


 125.9311, 0.2952,
0.2397

 5.9424, 0.2570,
0.1386

158.5619, 0.2967,
0.2454

 2.8101, 0.2412,
0.1103

196.3922, 0.2979,
0.2504

 1.0334, 0.2164,
0.0751

239.8065, 0.2991,

 0.0000, 0.1821,

0.2549

0.0000

289.1892, 0.3000,
0.2589

0.0000, 0.0255,
0.0000

0.0000, 0.0000,
0.0000

39.7159, 0.2852,
0.2066

39.7159, 0.2852,
0.2066

32.0462, 0.2768,
0.1803

49.1444, 0.2928,
0.2343

26.0104, 0.2679,
0.1566

60.4353, 0.2996,
0.2623

21.4745, 0.2588,
0.1367

73.6898, 0.3054,
0.2896

18.2806, 0.2498,
0.1216

89.0005, 0.3104,
0.3156

■ 16.2336, 0.2412,
0.1115

99.8711, 0.3139,
0.3309

■ 15.5515, 0.2374,
0.1081

Harmonies

Analogous

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



39.7159, 0.2077, 0.1876



39.7159, 0.2852, 0.2066



39.7159, 0.3858, 0.2489

Triad

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



39.7159, 0.2852, 0.2066



39.7159, 0.4750, 0.4418



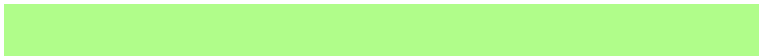
39.7159, 0.1721, 0.3216

Complementary

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



39.7159, 0.2852, 0.2066



81.3210, 0.3281, 0.4629

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.



39.7159, 0.2292, 0.4327



39.7159, 0.2852, 0.2066



39.7159, 0.4036, 0.4989

Square

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



39.7159, 0.2852, 0.2066



39.7159, 0.5050, 0.3733



39.7159, 0.3142, 0.5063



39.7159, 0.1515, 0.2378

Rectangle

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



39.7159, 0.2852, 0.2066



39.7159, 0.4485, 0.2866



39.7159, 0.3142, 0.5063



39.7159, 0.1870, 0.3579

Sweetspot

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



39.7175, 0.2852, 0.2066



77.1265, 0.3062, 0.2934



43.6896, 0.2349, 0.2342



15.8337, 0.3050, 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.



39.7175, 0.2852, 0.2066



32.9167, 0.2772, 0.1813



45.0008, 0.3348, 0.2339



17.9814, 0.3085, 0.3052



8.3565, 0.2387, 0.1089



0.8733, 0.2482, 0.1141

Inverse Universe

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



42.2085, 0.3937, 0.2893



36.0442, 0.4210, 0.2821



78.0912, 0.2970, 0.4484



18.0863, 0.3242, 0.3212



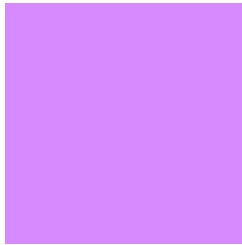
11.4713, 0.5655, 0.2889



1.1362, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 39.7159, 0.2852, 0.2066 looks on a white background.

Color Contrast Check

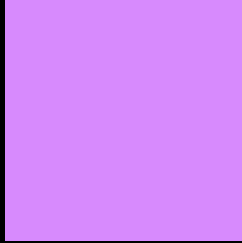
Large Text (above 18pt) WCAG AA × Fail

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 39.7159, 0.2852, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

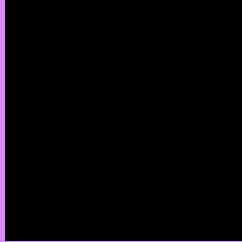
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7159, 0.2852, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 39.7159, 0.2852, 0.2066.



This preview shows how white text looks on a background with the Yxy color 39.7159, 0.2852, 0.2066.

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

39.7159, 0.2852, 0.2066

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.0390, 0.2353, 0.2292



Tritanopia

39.5351, 0.3459, 0.3138

Trichromacy



Original Color

39.7159, 0.2852, 0.2066



Protanomaly

39.0397, 0.2480, 0.2128



Deuteranomaly

38.9528, 0.2504, 0.2183

Tritanomaly

39.2482, 0.3222, 0.2687

Monochromacy



Original Color

39.7159, 0.2852, 0.2066



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.6204, 0.3025, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7159, 0.2852, 0.2066 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(215, 138, 253)` looks like.

```
.text, #text, p{  
    color:rgb(215, 138, 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(215, 138, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 138, 253) }
```

Border

The CSS property to change the border of an element to Yxy 39.7159, 0.2852, 0.2066 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(215, 138, 253) }
```

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

```
.border{ border-color:rgb(215, 138, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 138, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 138, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 138, 253);  
box-shadow:4px 4px 4px 4px rgb(215, 138,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7159, 0.2852, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 138, 253) }
```

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

```
.background{ background-color: rgb(215,  
138, 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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