

Converting Colors

$Y_{xy}(39.9793, 0.2810, 0.2062)$

Have a look what the booklet for
Yxy(39.9793, 0.2810, 0.2062)
contains.

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Color

Yxy(39.9732, 0.2813, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	D48CFF
RGB	212, 140, 255
RGB Percent	83%, 55%, 100%
CMY	0.1686, 0.4510, 0.0000
CMYK	0.17, 0.45, 0.00, 0.00
HSL	278°, 100%, 77%
HSV	278°, 45%, 100%
XYZ	54.5848, 39.9732, 99.4867
YIQ	174.6380, 5.9970, 51.0290

Conversions

Conversions Part 2

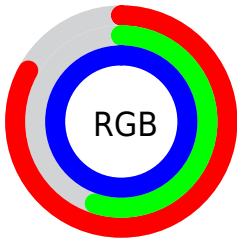
Format	Color
R _Y B	212, 140, 255
Decimal	13929727
CIE Lab	69.45, 47.28, -46.74
CIE LCh	69, 66.490, 315.329
Yxy	39.9732, 0.2813, 0.2060
Android (android.graphics.Color)	4292119807 (0xFFD48CFF)
YUV	174.6380, 39.6185, 32.7665
Hunter-Lab	63.2244, 43.4654, -49.0387

Details

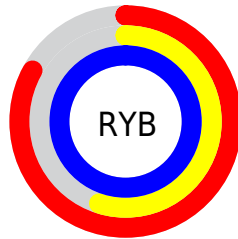
The Yxy color **39.9732, 0.2813, 0.2060** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.4802, 0.3311, 0.4606**, and the grayscale version is **42.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **18.0252, 0.2701, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **31.9881, 0.2718, 0.1789**, and if you desaturate by 10%, it is **49.7654, 0.2900, 0.2344**.

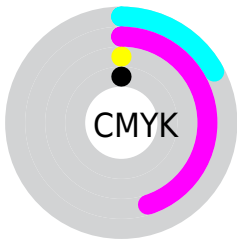
Distribution



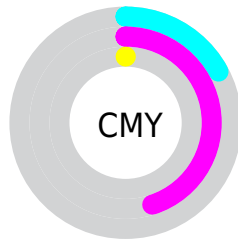
- Red (83%)
- Green (55%)
- Blue (100%)



- Red (83%)
- Yellow (55%)
- Blue (100%)



- Cyan (17%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9732, 0.2813, 0.2060 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 39.9732, 0.2813, 0.2060 by changing the saturation by 10% instead.


 39.9732, 0.2813,
0.2060


 39.9732, 0.2813,
0.2060


346.0106, 0.2988,
0.2621


 27.5176, 0.2766,
0.1937


 75.1227, 0.2879,
0.2251

 17.9624, 0.2705,
0.1788


 98.5854, 0.2904,
0.2327

 10.9230, 0.2623,
0.1606


 126.4860, 0.2924,
0.2392

 6.0151, 0.2508,
0.1380

159.2089, 0.2941,
0.2449

 2.8542, 0.2340,
0.1097

197.1384, 0.2955,
0.2500

 1.0561, 0.2082,
0.0748

240.6589, 0.2968,

 0.0000, 0.1727,

0.2545

0.0000

290.1548, 0.2978,
0.2585

0.0000, 0.0180,
0.0000

0.0000, 0.0000,
0.0000

39.9732, 0.2813,
0.2060

39.9732, 0.2813,
0.2060

31.9881, 0.2718,
0.1789

49.7654, 0.2900,
0.2344

25.6922, 0.2617,
0.1543

61.4799, 0.2978,
0.2628

20.9459, 0.2515,
0.1334

75.2170, 0.3045,
0.2903

17.5885, 0.2414,
0.1174

91.0710, 0.3102,
0.3164

■ 15.4223, 0.2318,
0.1065

100.0000, 0.3127,
0.3290

■ 14.6578, 0.2273,
0.1026

Harmonies

Analogous

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



39.9732, 0.2058, 0.1882



39.9732, 0.2813, 0.2060



39.9732, 0.3806, 0.2471

Triad

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



39.9732, 0.2813, 0.2060



39.9732, 0.4764, 0.4383



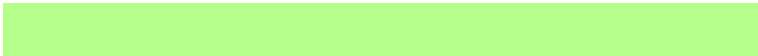
39.9732, 0.1749, 0.3265

Complementary

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



39.9732, 0.2813, 0.2060



83.4802, 0.3311, 0.4606

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.



39.9732, 0.2333, 0.4365



39.9732, 0.2813, 0.2060



39.9732, 0.4070, 0.4958

Square

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



39.9732, 0.2813, 0.2060



39.9732, 0.5036, 0.3702



39.9732, 0.3185, 0.5061



39.9732, 0.1527, 0.2414

Rectangle

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



39.9732, 0.2813, 0.2060



39.9732, 0.4436, 0.2842



39.9732, 0.3185, 0.5061



39.9732, 0.1903, 0.3628

Sweetspot

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



39.9717, 0.2813, 0.2060



76.8553, 0.3051, 0.2933



47.1095, 0.2367, 0.2423



15.7674, 0.3038, 0.2875



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.



39.9717, 0.2813, 0.2060



32.7812, 0.2729, 0.1818



46.4006, 0.3294, 0.2296



17.9412, 0.3078, 0.3051



7.7471, 0.2288, 0.1034



0.8167, 0.2392, 0.1091

Inverse Universe

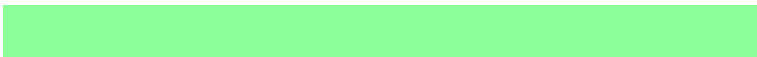
The Inverse Universe completely reimagines the original color for something new.



43.4336, 0.3876, 0.2845



36.9092, 0.4108, 0.2768



79.4086, 0.2998, 0.4547



18.0994, 0.3235, 0.3201



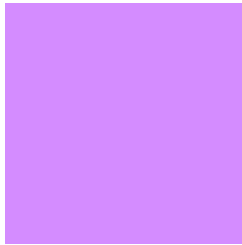
11.5703, 0.5489, 0.2798



1.1469, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 39.9732, 0.2813, 0.2060 looks on a white background.

Color Contrast Check

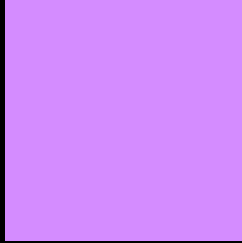
Large Text (above 18pt) WCAG AA × Fail

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 39.9732, 0.2813, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

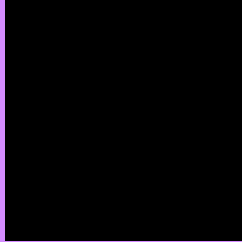
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9732, 0.2813, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 39.9732, 0.2813, 0.2060.



This preview shows how white text looks on a background with the Yxy color 39.9732, 0.2813, 0.2060.

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

39.9732, 0.2813, 0.2060

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.4497, 0.2339, 0.2284



Tritanopia

39.8787, 0.3406, 0.3137

Trichromacy



Original Color

39.9732, 0.2813, 0.2060



Protanomaly

39.3333, 0.2469, 0.2129



Deuteranomaly

39.3113, 0.2487, 0.2175

Tritanomaly

39.5581, 0.3175, 0.2684

Monochromacy



Original Color

39.9732, 0.2813, 0.2060



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.8917, 0.3008, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9732, 0.2813, 0.2060 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(212, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 140, 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(212, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.9732, 0.2813, 0.2060 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(212, 140, 255) }
```

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

```
.border{ border-color:rgb(212, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9732, 0.2813, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 140, 255) }
```

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

```
.background{ background-color: rgb(212,  
140, 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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