

Converting Colors

$Y_{xy}(39.9701, 0.2821, 0.2058)$

Have a look what the booklet for
Yxy(39.9701, 0.2821, 0.2058)
contains.

Yxy(39.8314, 0.2821, 0.2054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.8314, 0.2821, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	D58BFF
RGB	213, 139, 255
RGB Percent	84%, 55%, 100%
CMY	0.1649, 0.4547, 0.0001
CMYK	0.16, 0.45, 0.00, 0.00
HSL	278°, 100%, 77%
HSV	278°, 45%, 100%
XYZ	54.7052, 39.8314, 99.3846
YIQ	174.3500, 6.8680, 51.7640

Conversions

Conversions Part 2

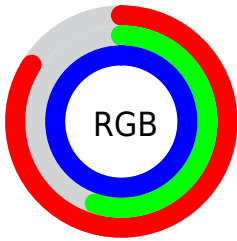
Format	Color
R _Y B	213, 139, 255
Decimal	13995007
CIE Lab	69.35, 48.03, -46.85
CIE LCh	69, 67.094, 315.708
Yxy	39.8314, 0.2821, 0.2054
Android (android.graphics.Color)	4292185087 (0xFFD58BFF)
YUV	174.3500, 39.7605, 33.8961
Hunter-Lab	63.1121, 44.2763, -49.1873

Details

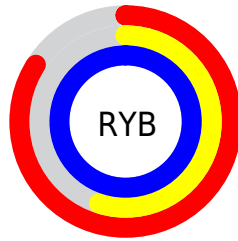
The Yxy color **39.8314, 0.2821, 0.2054** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.1973, 0.3304, 0.4621**, and the grayscale version is **42.3075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **17.8007, 0.2711, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **31.9450, 0.2729, 0.1785**, and if you desaturate by 10%, it is **49.5215, 0.2905, 0.2336**.

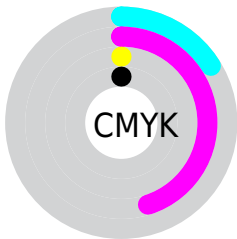
Distribution



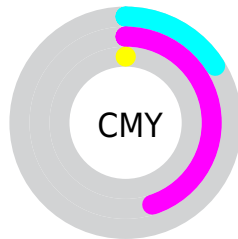
- Red (84%)
- Green (55%)
- Blue (100%)



- Red (84%)
- Yellow (55%)
- Blue (100%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8314, 0.2821, 0.2054 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 39.8314, 0.2821, 0.2054 by changing the saturation by 10% instead.


 39.8314, 0.2821,
0.2054


 39.8314, 0.2821,
0.2054


345.4124, 0.2992,
0.2617


 27.4071, 0.2775,
0.1930


 74.9067, 0.2886,
0.2246

 17.8792, 0.2715,
0.1781


 98.3265, 0.2910,
0.2322

 10.8633, 0.2634,
0.1598


 126.1803, 0.2930,
0.2387

 5.9750, 0.2520,
0.1372

158.8524, 0.2946,
0.2445

 2.8299, 0.2354,
0.1088

196.7273, 0.2960,
0.2496

 1.0436, 0.2097,
0.0740

240.1893, 0.2973,

 0.0000, 0.1743,

0.2541

0.0000

289.6229, 0.2983,
0.2581

0.0000, 0.0211,
0.0000

0.0000, 0.0000,
0.0000

39.8314, 0.2821,
0.2054

39.8314, 0.2821,
0.2054

31.9450, 0.2729,
0.1785

49.5215, 0.2905,
0.2336

25.7348, 0.2631,
0.1542

61.1214, 0.2980,
0.2619

21.0637, 0.2531,
0.1338

74.7346, 0.3045,
0.2894

17.7703, 0.2433,
0.1181

90.4555, 0.3101,
0.3155

■ 15.6552, 0.2340,
0.1076

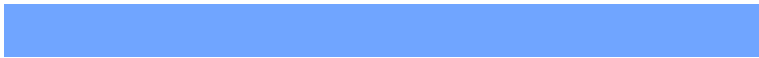
99.9979, 0.3127,
0.3290

■ 14.9546, 0.2300,
0.1040

Harmonies

Analogous

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



39.8314, 0.2056, 0.1872



39.8314, 0.2821, 0.2054



39.8314, 0.3826, 0.2470

Triad

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



39.8314, 0.2821, 0.2054



39.8314, 0.4770, 0.4397



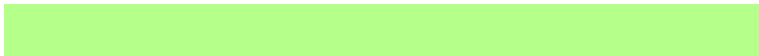
39.8314, 0.1731, 0.3250

Complementary

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



39.8314, 0.2821, 0.2054



83.1973, 0.3304, 0.4621

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.



39.8314, 0.2315, 0.4364



39.8314, 0.2821, 0.2054



39.8314, 0.4065, 0.4978

Square

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



39.8314, 0.2821, 0.2054



39.8314, 0.5054, 0.3711



39.8314, 0.3172, 0.5077



39.8314, 0.1514, 0.2397

Rectangle

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



39.8314, 0.2821, 0.2054



39.8314, 0.4460, 0.2845



39.8314, 0.3172, 0.5077



39.8314, 0.1885, 0.3617

Sweetspot

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



39.8330, 0.2821, 0.2054



76.9270, 0.3054, 0.2933



45.9825, 0.2357, 0.2390



15.7849, 0.3041, 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.



39.8330, 0.2821, 0.2054



32.2833, 0.2733, 0.1797



45.9943, 0.3313, 0.2305



17.9518, 0.3080, 0.3052



7.9037, 0.2314, 0.1048



0.8313, 0.2416, 0.1104

Inverse Universe

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



43.0712, 0.3899, 0.2855



36.2030, 0.4155, 0.2776



79.3419, 0.2988, 0.4535



18.0959, 0.3237, 0.3204



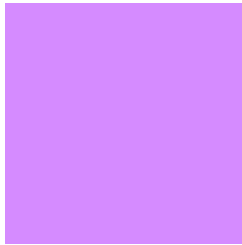
11.5427, 0.5534, 0.2822



1.1439, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 39.8314, 0.2821, 0.2054 looks on a white background.

Color Contrast Check

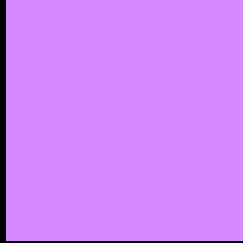
Large Text (above 18pt) WCAG AA × Fail

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 39.8314, 0.2821, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

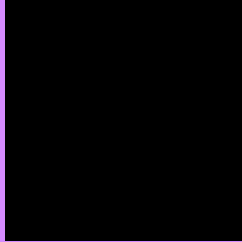
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8314, 0.2821, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 39.8314, 0.2821, 0.2054.



This preview shows how white text looks on a background with the Yxy color 39.8314, 0.2821, 0.2054.

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

39.8314, 0.2821, 0.2054

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.0791, 0.2337, 0.2271



Tritanopia

39.6734, 0.3418, 0.3125

Trichromacy



Original Color

39.8314, 0.2821, 0.2054



Protanomaly

39.3333, 0.2469, 0.2129



Deuteranomaly

38.9715, 0.2485, 0.2163

Tritanomaly

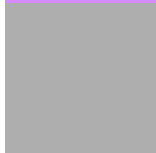
39.3766, 0.3185, 0.2673

Monochromacy



Original Color

39.8314, 0.2821, 0.2054



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.4929, 0.3016, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8314, 0.2821, 0.2054 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 139, 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, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8314, 0.2821, 0.2054 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, 139, 255) }
```

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

```
.border{ border-color:rgb(213, 139, 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, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8314, 0.2821, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 139, 255) }
```

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

```
.background{ background-color: rgb(213,  
139, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor