

Converting Colors

$Y_{xy}(38.7480, 0.2989, 0.1996)$

Have a look what the booklet for
Yxy(38.7480, 0.2989, 0.1996)
contains.

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Color

Yxy(38.7480, 0.2989, 0.1996)

Conversions

Conversions Part 1

Format	Color
Hex	E77DFD
RGB	231, 125, 253
RGB Percent	91%, 49%, 99%
CMY	0.0940, 0.5099, 0.0078
CMYK	0.09, 0.51, 0.00, 0.01
HSL	290°, 97%, 74%
HSV	290°, 51%, 99%
XYZ	58.0249, 38.7480, 97.3553
YIQ	171.2860, 22.0880, 62.2800

Conversions

Conversions Part 2

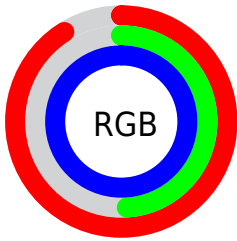
Format	Color
R _Y B	231, 125, 253
Decimal	15171069
CIE _{Lab}	68.57, 59.64, -46.87
CIE _{LCh}	69, 75.853, 321.837
Yxy	38.7480, 0.2989, 0.1996
Android (android.graphics.Color)	4293361149 (0xFFE77DFD)
YUV	171.2860, 40.2850, 52.3692
Hunter-Lab	62.2479, 57.4566, -49.1557

Details

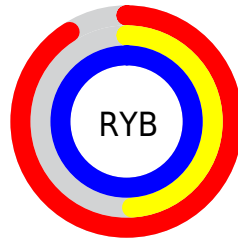
The Yxy color **38.7480, 0.2989, 0.1996** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.9360, 0.3168, 0.4854**, and the grayscale version is **40.6613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **17.2501, 0.2920, 0.1714** is the 20% darker color. If you saturate the color by 10%, you get **32.4259, 0.2948, 0.1776**, and if you desaturate by 10%, it is **46.7224, 0.3026, 0.2242**.

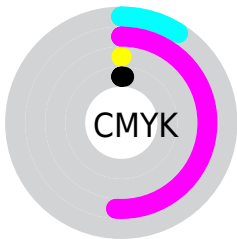
Distribution



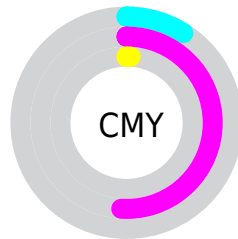
- Red (91%)
- Green (49%)
- Blue (99%)



- Red (91%)
- Yellow (49%)
- Blue (99%)



- Cyan (9%)
- Magenta (51%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (51%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7480, 0.2989, 0.1996 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 38.7480, 0.2989, 0.1996 by changing the saturation by 10% instead.


 38.7480, 0.2989,
0.1996


 38.7480, 0.2989,
0.1996


340.8179, 0.3083,
0.2580


 26.5637, 0.2960,
0.1869


 73.2532, 0.3028,
0.2194

 17.2459, 0.2921,
0.1716


 96.3429, 0.3041,
0.2272

 10.4099, 0.2866,
0.1531


 123.8366, 0.3052,
0.2341

 5.6716, 0.2784,
0.1302

156.1186, 0.3060,
0.2400

 2.6464, 0.2658,
0.1019

193.5733, 0.3067,
0.2453

 0.9501, 0.2452,
0.0675

236.5852, 0.3073,

 0.0000, 0.2156,

0.2500

0.0000

285.5386, 0.3079,
0.2542

0.0000, 0.1018,
0.0000

0.0000, 0.0000,
0.0000

38.7480, 0.2989,
0.1996

38.7480, 0.2989,
0.1996

32.4259, 0.2948,
0.1776

46.7224, 0.3026,
0.2242

27.6246, 0.2904,
0.1591

56.4574, 0.3058,
0.2502

24.2005, 0.2858,
0.1449

68.0579, 0.3086,
0.2766

21.9802, 0.2812,
0.1353

81.6189, 0.3108,
0.3026

■ 20.7303, 0.2770,
0.1300

■ 97.2293, 0.3126,
0.3275

99.8723, 0.3139,
0.3309

Harmonies

Analogous

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



38.7480, 0.2071, 0.1742



38.7480, 0.2989, 0.1996



38.7480, 0.4152, 0.2490

Triad

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



38.7480, 0.2989, 0.1996



38.7480, 0.4799, 0.4626



38.7480, 0.1490, 0.2985

Complementary

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



38.7480, 0.2989, 0.1996



77.9360, 0.3168, 0.4854

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.



38.7480, 0.2033, 0.4272



38.7480, 0.2989, 0.1996



38.7480, 0.3935, 0.5272

Square

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



38.7480, 0.2989, 0.1996



38.7480, 0.5273, 0.3860



38.7480, 0.2933, 0.5273



38.7480, 0.1345, 0.2139

Rectangle

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



38.7480, 0.2989, 0.1996



38.7480, 0.4827, 0.2912



38.7480, 0.2933, 0.5273



38.7480, 0.1624, 0.3383

Sweetspot

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



38.7497, 0.2989, 0.1996



76.7525, 0.3099, 0.2912



32.7751, 0.2207, 0.1963



15.8094, 0.3094, 0.2857



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.



38.7497, 0.2989, 0.1996



32.7709, 0.2946, 0.1767



40.3253, 0.3573, 0.2410



18.1333, 0.3110, 0.3054



11.0835, 0.2777, 0.1304



1.1189, 0.2829, 0.1332

Inverse Universe

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



37.6537, 0.4324, 0.3066



31.7796, 0.4734, 0.3038



77.3504, 0.2867, 0.4398



18.0380, 0.3267, 0.3249



11.2177, 0.6150, 0.3162



1.1057, 0.5867, 0.3006

Previews

White Background



This preview shows how the Yxy color 38.7480, 0.2989, 0.1996 looks on a white background.

Color Contrast Check

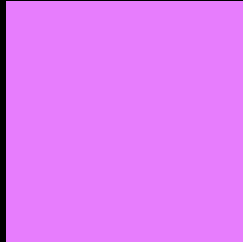
Large Text (above 18pt) WCAG AA × Fail

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 38.7480, 0.2989, 0.1996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

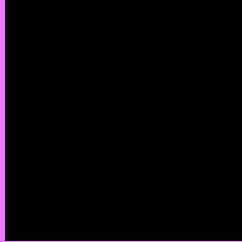
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7480, 0.2989, 0.1996

Background



This preview shows how black text looks on a background with the Yxy color 38.7480, 0.2989, 0.1996.



This preview shows how white text looks on a background with the Yxy color 38.7480, 0.2989, 0.1996.

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

38.7480, 0.2989, 0.1996

Protanopia

39.1986, 0.2290, 0.2171

Deuteranopia

39.0159, 0.2347, 0.2283



Tritanopia

38.5884, 0.3745, 0.3158

Trichromacy



Original Color

38.7480, 0.2989, 0.1996



Protanomaly

37.4035, 0.2493, 0.2065



Deuteranomaly

37.4566, 0.2537, 0.2131

Tritanomaly

38.2944, 0.3458, 0.2679

Monochromacy



Original Color

38.7480, 0.2989, 0.1996



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.6657, 0.3080, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7480, 0.2989, 0.1996 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(231, 125, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 125, 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(231, 125, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 125, 253) }
```

Border

The CSS property to change the border of an element to Yxy 38.7480, 0.2989, 0.1996 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(231, 125, 253) }
```

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

```
.border{ border-color:rgb(231, 125, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 125, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 125, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 125, 253); box-shadow:4px 4px 4px 4px rgb(231, 125, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7480, 0.2989, 0.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 125, 253) }
```

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

```
.background{ background-color: rgb(231,  
125, 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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