

Converting Colors

$Y_{xy}(41.4276, 0.2778, 0.1779)$

Have a look what the booklet for
Yxy(41.4276, 0.2778, 0.1779)
contains.

Yxy(39.2975, 0.3008, 0.1986)	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(39.2975, 0.3008, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	EB7CFF
RGB	235, 124, 255
RGB Percent	92%, 49%, 100%
CMY	0.0784, 0.5137, 0.0000
CMYK	0.08, 0.51, 0.00, 0.00
HSL	291°, 100%, 74%
HSV	291°, 51%, 100%
XYZ	59.5201, 39.2975, 99.0550
YIQ	172.1230, 24.1050, 64.2730

Conversions

Conversions Part 2

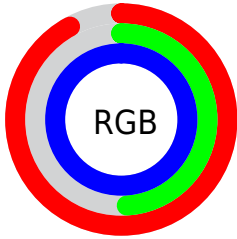
Format	Color
R _Y B	235, 124, 255
Decimal	15432959
CIE Lab	68.97, 61.54, -47.30
CIE LCh	69, 77.615, 322.454
Yxy	39.2975, 0.3008, 0.1986
Android (android.graphics.Color)	4293623039 (0xFFEB7CFF)
YUV	172.1230, 40.8584, 55.1431
Hunter-Lab	62.6877, 59.7768, -49.8048

Details

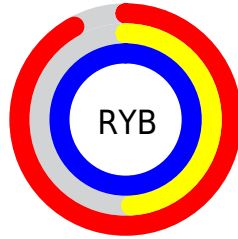
The Yxy color **39.2975, 0.3008, 0.1986** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **78.9037, 0.3153, 0.4888**, and the grayscale version is **41.1018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **17.6806, 0.2946, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **33.0578, 0.2972, 0.1772**, and if you desaturate by 10%, it is **47.2071, 0.3040, 0.2227**.

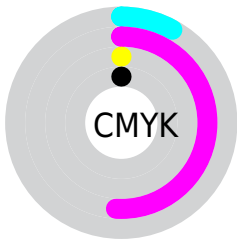
Distribution



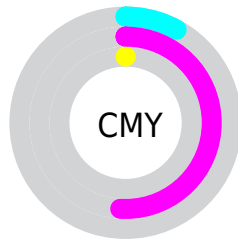
- Red (92%)
- Green (49%)
- Blue (100%)



- Red (92%)
- Yellow (49%)
- Blue (100%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2975, 0.3008, 0.1986 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 39.2975, 0.3008, 0.1986 by changing the saturation by 10% instead.

 39.2975, 0.3008,
0.1986


 39.2975, 0.3008,
0.1986

343.1537, 0.3093,
0.2572


 26.9912, 0.2981,
0.1859


 74.0926, 0.3043,
0.2184

 17.5666, 0.2945,
0.1707


 97.3502, 0.3056,
0.2263

 10.6393, 0.2893,
0.1522


 125.0270, 0.3065,
0.2331

 5.8249, 0.2816,
0.1296

157.5075, 0.3073,
0.2391

 2.7389, 0.2697,
0.1016

195.1760, 0.3079,
0.2444

 0.9970, 0.2501,
0.0678

238.4170, 0.3085,

 0.0000, 0.2226,

0.2492

0.0000

287.6147, 0.3089,
0.2534

■ 0.0000, 0.1257,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2975, 0.3008,
0.1986

■ 39.2975, 0.3008,
0.1986

■ 33.0578, 0.2972,
0.1772

■ 47.2071, 0.3040,
0.2227

■ 28.3528, 0.2934,
0.1594

■ 56.8979, 0.3068,
0.2484

■ 25.0344, 0.2894,
0.1460

■ 68.4776, 0.3091,
0.2747

■ 22.9227, 0.2853,
0.1372

■ 82.0435, 0.3110,
0.3006

■ 21.8319, 0.2819,
0.1326

■ 97.6866, 0.3125,
0.3257

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



39.2975, 0.2070, 0.1724



39.2975, 0.3008, 0.1986



39.2975, 0.4193, 0.2490

Triad

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



39.2975, 0.3008, 0.1986



39.2975, 0.4803, 0.4654



39.2975, 0.1459, 0.2953

Complementary

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



39.2975, 0.3008, 0.1986



78.9037, 0.3153, 0.4888

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.



39.2975, 0.1997, 0.4264



39.2975, 0.3008, 0.1986



39.2975, 0.3919, 0.5312

Square

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



39.2975, 0.3008, 0.1986



39.2975, 0.5302, 0.3875



39.2975, 0.2903, 0.5304



39.2975, 0.1323, 0.2107

Rectangle

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



39.2975, 0.3008, 0.1986



39.2975, 0.4875, 0.2917



39.2975, 0.2903, 0.5304



39.2975, 0.1591, 0.3355

Sweetspot

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



39.2992, 0.3008, 0.1986



76.8866, 0.3104, 0.2913



32.0119, 0.2186, 0.1911



15.8420, 0.3100, 0.2858



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.



39.2992, 0.3008, 0.1986



32.7187, 0.2970, 0.1759



40.3954, 0.3605, 0.2417



18.1517, 0.3113, 0.3054



11.4607, 0.2825, 0.1330



1.1522, 0.2872, 0.1356

Inverse Universe

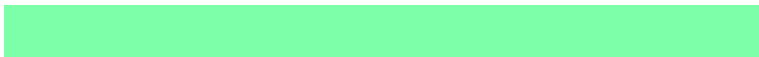
The Inverse Universe completely reimagines the original color for something new.



37.6889, 0.4383, 0.3089



31.1721, 0.4816, 0.3066



78.6198, 0.2854, 0.4390



18.0322, 0.3270, 0.3254



11.1984, 0.6193, 0.3185



1.1029, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 39.2975, 0.3008, 0.1986 looks on a white background.

Color Contrast Check

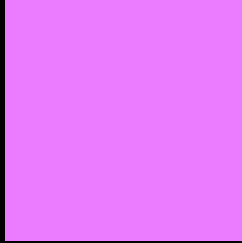
Large Text (above 18pt) WCAG AA × Fail

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 39.2975, 0.3008, 0.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

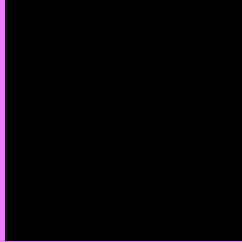
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2975, 0.3008, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 39.2975, 0.3008, 0.1986.



This preview shows how white text looks on a background with the Yxy color 39.2975, 0.3008, 0.1986.

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

39.2975, 0.3008, 0.1986

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.5037, 0.2339, 0.2276



Tritanopia

39.2126, 0.3786, 0.3160

Trichromacy



Original Color

39.2975, 0.3008, 0.1986



Protanomaly

38.1239, 0.2510, 0.2074



Deuteranomaly

37.6933, 0.2533, 0.2116

Tritanomaly

38.6912, 0.3489, 0.2665

Monochromacy



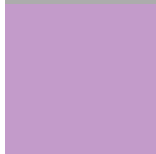
Original Color

39.2975, 0.3008, 0.1986



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.3091, 0.3089, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2975, 0.3008, 0.1986 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(235, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 124, 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(235, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 124, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.2975, 0.3008, 0.1986 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(235, 124, 255) }
```

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

```
.border{ border-color:rgb(235, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 124,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2975, 0.3008, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 124, 255) }
```

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

```
.background{ background-color: rgb(235,  
124, 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