

Converting Colors

$Yxy(42.0994, 0.3069, 0.2123)$

Have a look what the booklet for
Yxy(42.0994, 0.3069, 0.2123)
contains.

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Color

Yxy(41.9568, 0.3066, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	ED86FA
RGB	237, 134, 250
RGB Percent	93%, 53%, 98%
CMY	0.0705, 0.4745, 0.0196
CMYK	0.05, 0.46, 0.00, 0.02
HSL	293°, 92%, 75%
HSV	293°, 46%, 98%
XYZ	60.7077, 41.9568, 95.3384
YIQ	178.0210, 24.1520, 57.9120

Conversions

Conversions Part 2

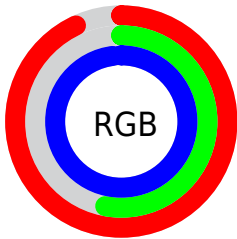
Format	Color
R _Y B	237, 134, 250
Decimal	15566586
CIE Lab	70.84, 56.28, -41.61
CIE LCh	71, 69.994, 323.524
Yxy	41.9568, 0.3066, 0.2119
Android (android.graphics.Color)	4293756666 (0xFFED86FA)
YUV	178.0210, 35.4856, 51.7246
Hunter-Lab	64.7741, 53.9395, -41.9247

Details

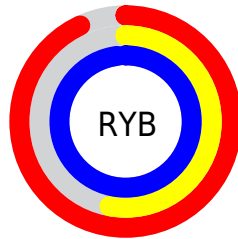
The Yxy color **41.9568, 0.3066, 0.2119** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **76.2922, 0.3129, 0.4726**, and the grayscale version is **44.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **19.1713, 0.3025, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **35.3678, 0.3044, 0.1898**, and if you desaturate by 10%, it is **50.1901, 0.3085, 0.2363**.

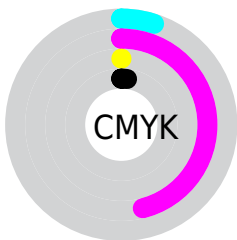
Distribution



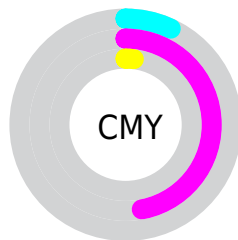
- Red (93%)
- Green (53%)
- Blue (98%)



- Red (93%)
- Yellow (53%)
- Blue (98%)



- Cyan (5%)
- Magenta (46%)
- Yellow (0%)
- Black (2%)




- Cyan (7%)
- Magenta (47%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9568, 0.3066, 0.2119 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 41.9568, 0.3066, 0.2119 by changing the saturation by 10% instead.


 41.9568, 0.3066,
0.2119


 41.9568, 0.3066,
0.2119


354.3038, 0.3118,
0.2649


 29.0675, 0.3048,
0.2003


 78.1342, 0.3089,
0.2299

 19.1319, 0.3024,
0.1863


 102.1911, 0.3096,
0.2370

 11.7656, 0.2988,
0.1690


 130.7393, 0.3102,
0.2432

 6.5843, 0.2933,
0.1476

164.1633, 0.3106,
0.2486

 3.2035, 0.2846,
0.1205

202.8473, 0.3110,
0.2534

 1.2389, 0.2696,
0.0864

247.1758, 0.3113,

 0.0931, 0.2496,

0.2577

0.0143

297.5332, 0.3116,
0.2615

■ 0.0000, 0.1652,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9568, 0.3066,
0.2119

■ 41.9568, 0.3066,
0.2119

■ 35.3678, 0.3044,
0.1898

■ 50.1901, 0.3085,
0.2363

■ 30.3008, 0.3019,
0.1709

■ 60.1676, 0.3101,
0.2620

■ 26.6250, 0.2991,
0.1561

■ 71.9880, 0.3113,
0.2879

■ 24.1855, 0.2963,
0.1458

■ 85.7407, 0.3123,
0.3133

■ 22.7886, 0.2934,
0.1399

■ 98.9320, 0.3131,
0.3338

■ 22.4336, 0.2923,
0.1384

■ 99.4556, 0.3149,
0.3338

■ 99.6820, 0.3156,
0.3338

Harmonies

Analogous

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



41.9568, 0.2203, 0.1868



41.9568, 0.3066, 0.2119



41.9568, 0.4111, 0.2594

Triad

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



41.9568, 0.3066, 0.2119



41.9568, 0.4644, 0.4589



41.9568, 0.1609, 0.2976

Complementary

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



41.9568, 0.3066, 0.2119



76.2922, 0.3129, 0.4726

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.



41.9568, 0.2104, 0.4101



41.9568, 0.3066, 0.2119



41.9568, 0.3850, 0.5112

Square

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



41.9568, 0.3066, 0.2119



41.9568, 0.5077, 0.3893



41.9568, 0.2925, 0.5018



41.9568, 0.1482, 0.2220

Rectangle

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



41.9568, 0.3066, 0.2119



41.9568, 0.4700, 0.2996



41.9568, 0.2925, 0.5018



41.9568, 0.1731, 0.3326

Sweetspot

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



41.9586, 0.3066, 0.2119



78.5497, 0.3116, 0.2940



33.0036, 0.2273, 0.1995



16.1829, 0.3113, 0.2884



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.



41.9586, 0.3066, 0.2119



37.2059, 0.3045, 0.1905



41.8069, 0.3602, 0.2551



17.4201, 0.3120, 0.3055



11.9396, 0.2928, 0.1387



1.1331, 0.2964, 0.1406

Inverse Universe

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



39.4795, 0.4253, 0.3156



34.4559, 0.4639, 0.3136



76.6708, 0.2844, 0.4185



17.2568, 0.3276, 0.3264



10.8351, 0.6268, 0.3227



1.0135, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 41.9568, 0.3066, 0.2119 looks on a white background.

Color Contrast Check

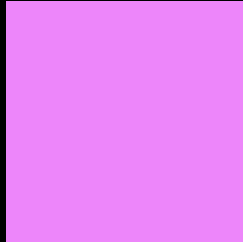
Large Text (above 18pt) WCAG AA × Fail

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 41.9568, 0.3066, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

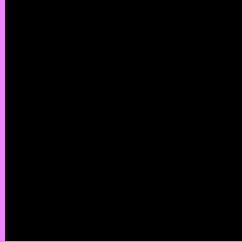
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9568, 0.3066, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 41.9568, 0.3066, 0.2119.



This preview shows how white text looks on a background with the Yxy color 41.9568, 0.3066, 0.2119.

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

41.9568, 0.3066, 0.2119

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.4601, 0.2463, 0.2403



Tritanopia

41.9966, 0.3744, 0.3163

Trichromacy



Original Color

41.9568, 0.3066, 0.2119



Protanomaly

41.0105, 0.2575, 0.2186



Deuteranomaly

41.0526, 0.2649, 0.2258



Tritanomaly

41.6760, 0.3485, 0.2739

Monochromacy



Original Color

41.9568, 0.3066, 0.2119



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.3424, 0.3106, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9568, 0.3066, 0.2119 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(237, 134, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 134, 250)  
}
```

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(237, 134, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 134, 250) }
```

Border

The CSS property to change the border of an element to Yxy 41.9568, 0.3066, 0.2119 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(237, 134, 250) }
```

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

```
.border{ border-color:rgb(237, 134, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 134, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 134, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 134, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 134,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9568, 0.3066, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 134, 250) }
```

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

```
.background{ background-color: rgb(237,  
134, 250) }
```

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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