

Converting Colors

$Y_{xy}(43.6590, 0.2999, 0.2133)$

Have a look what the booklet for
Yxy(43.6590, 0.2999, 0.2133)
contains.

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Color

Yxy(43.7622, 0.2999, 0.2134)

Conversions

Conversions Part 1

Format	Color
Hex	EA8DFF
RGB	234, 141, 255
RGB Percent	92%, 55%, 100%
CMY	0.0824, 0.4470, 0.0000
CMYK	0.08, 0.45, 0.00, 0.00
HSL	289°, 100%, 78%
HSV	289°, 45%, 100%
XYZ	61.5009, 43.7622, 99.8082
YIQ	181.8030, 18.8340, 55.1700

Conversions

Conversions Part 2

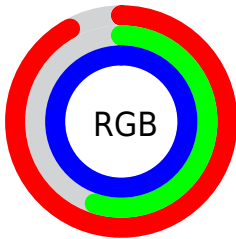
Format	Color
RYB	234, 141, 255
Decimal	15371775
CIELab	72.07, 52.86, -42.44
CIELCh	72, 67.785, 321.239
Yxy	43.7622, 0.2999, 0.2134
Android (android.graphics.Color)	4293561855 (0xFFEA8DFF)
YUV	181.8030, 36.0861, 45.7768
Hunter-Lab	66.1530, 50.1794, -43.1465

Details

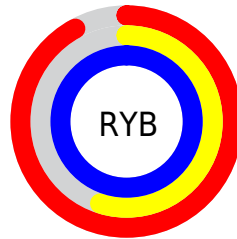
The Yxy color **43.7622, 0.2999, 0.2134** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.1249, 0.3178, 0.4648**, and the grayscale version is **46.4609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **20.1237, 0.2937, 0.1876** is the 20% darker color. If you saturate the color by 10%, you get **36.3040, 0.2957, 0.1895**, and if you desaturate by 10%, it is **52.9762, 0.3037, 0.2391**.

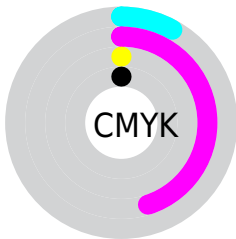
Distribution



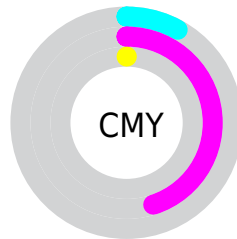
- Red (92%)
- Green (55%)
- Blue (100%)



- Red (92%)
- Yellow (55%)
- Blue (100%)



- Cyan (8%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7622, 0.2999, 0.2134 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 43.7622, 0.2999, 0.2134 by changing the saturation by 10% instead.


 43.7622, 0.2999,
0.2134

 43.7622, 0.2999,
0.2134


361.7370, 0.3082,
0.2655

 30.4836, 0.2975,
0.2020


 80.8598, 0.3032,
0.2311

 20.2059, 0.2942,
0.1883


 105.4476, 0.3044,
0.2381

 12.5448, 0.2896,
0.1715

134.5739, 0.3053,
0.2442

 7.1159, 0.2829,
0.1505

168.6231, 0.3061,
0.2495

 3.5347, 0.2726,
0.1241

207.9796, 0.3068,
0.2542

 1.4168, 0.2559,
0.0908

253.0279, 0.3073,

 0.2291, 0.2311,

0.2584

0.0312

304.1522, 0.3078,
0.2621

0.0000, 0.1577,
0.0000

0.0000, 0.0000,
0.0000

43.7622, 0.2999,
0.2134

43.7622, 0.2999,
0.2134

36.3040, 0.2957,
0.1895

52.9762, 0.3037,
0.2391

30.4753, 0.2911,
0.1685

64.0495, 0.3069,
0.2656

26.1420, 0.2862,
0.1515

77.0841, 0.3096,
0.2920

23.1459, 0.2812,
0.1389

92.1729, 0.3118,
0.3175

■ 21.2926, 0.2763,
0.1310

99.9997, 0.3127,
0.3290

■ 20.6272, 0.2737,
0.1282

Harmonies

Analogous

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



43.7622, 0.2190, 0.1909



43.7622, 0.2999, 0.2134



43.7622, 0.3995, 0.2581

Triad

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



43.7622, 0.2999, 0.2134



43.7622, 0.4640, 0.4504



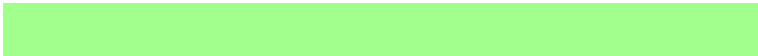
43.7622, 0.1690, 0.3070

Complementary

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



43.7622, 0.2999, 0.2134



81.1249, 0.3178, 0.4648

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.



43.7622, 0.2201, 0.4145



43.7622, 0.2999, 0.2134



43.7622, 0.3899, 0.5014

Square

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



43.7622, 0.2999, 0.2134



43.7622, 0.5009, 0.3835



43.7622, 0.3011, 0.4967



43.7622, 0.1537, 0.2308

Rectangle

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



43.7622, 0.2999, 0.2134



43.7622, 0.4576, 0.2966



43.7622, 0.3011, 0.4967



43.7622, 0.1819, 0.3411

Sweetspot

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



43.7641, 0.2999, 0.2134



79.5021, 0.3100, 0.2964



39.3681, 0.2328, 0.2168



16.3473, 0.3095, 0.2907



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.



43.7641, 0.2999, 0.2134



36.7717, 0.2960, 0.1911



45.5240, 0.3486, 0.2488



18.1211, 0.3108, 0.3054



10.8396, 0.2745, 0.1286



1.0973, 0.2801, 0.1317

Inverse Universe

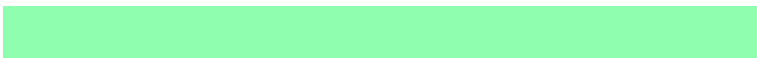
The Inverse Universe completely reimagines the original color for something new.



42.9238, 0.4102, 0.3073



36.0263, 0.4431, 0.3037



80.2844, 0.2898, 0.4269



18.0418, 0.3265, 0.3246



11.2317, 0.6120, 0.3145



1.1076, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 43.7622, 0.2999, 0.2134 looks on a white background.

Color Contrast Check

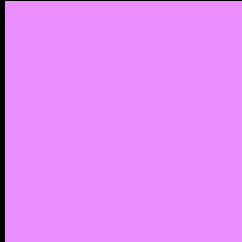
Large Text (above 18pt) WCAG AA × Fail

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 43.7622, 0.2999, 0.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

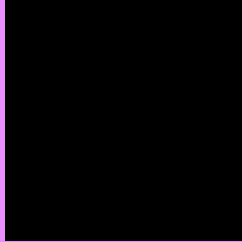
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7622, 0.2999, 0.2134

Background



This preview shows how black text looks on a background with the Yxy color 43.7622, 0.2999, 0.2134.



This preview shows how white text looks on a background with the Yxy color 43.7622, 0.2999, 0.2134.

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

43.7622, 0.2999, 0.2134

Protanopia

44.3640, 0.2405, 0.2322

Deuteranopia

44.1749, 0.2449, 0.2384



Tritanopia

43.6498, 0.3618, 0.3149

Trichromacy



Original Color

43.7622, 0.2999, 0.2134



Protanomaly

43.2381, 0.2591, 0.2232



Deuteranomaly

43.1045, 0.2623, 0.2270

Tritanomaly

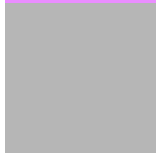
43.2155, 0.3380, 0.2735

Monochromacy



Original Color

43.7622, 0.2999, 0.2134



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.6584, 0.3081, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7622, 0.2999, 0.2134 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(234, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 141, 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(234, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.7622, 0.2999, 0.2134 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(234, 141, 255) }
```

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

```
.border{ border-color:rgb(234, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7622, 0.2999, 0.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 141, 255) }
```

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

```
.background{ background-color: rgb(234,  
141, 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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