

Converting Colors

$Y_{xy}(48.0081, 0.2885, 0.2101)$

Have a look what the booklet for
Yxy(48.0081, 0.2885, 0.2101)
contains.

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Color

Yxy(47.0154, 0.3007, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	EB97FF
RGB	235, 151, 255
RGB Percent	92%, 59%, 100%
CMY	0.0786, 0.4077, 0.0000
CMYK	0.08, 0.41, 0.00, 0.00
HSL	288°, 100%, 80%
HSV	288°, 41%, 100%
XYZ	63.3686, 47.0154, 100.3529
YIQ	187.9720, 16.6800, 50.1520

Conversions

Conversions Part 2

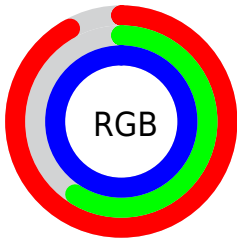
Format	Color
R _Y B	235, 151, 255
Decimal	15439871
CIE Lab	74.20, 48.01, -39.12
CIE LCh	74, 61.927, 320.826
Yxy	47.0154, 0.3007, 0.2231
Android (android.graphics.Color)	4293629951 (0xFFEB97FF)
YUV	187.9720, 33.0448, 41.2436
Hunter-Lab	68.5678, 44.9715, -38.7769

Details

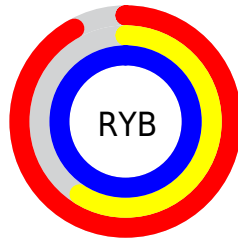
The Yxy color **47.0154, 0.3007, 0.2231** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.4206, 0.3183, 0.4511**, and the grayscale version is **50.0754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1056, 0.3149, 0.2821**, and **22.2776, 0.2961, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **38.8509, 0.2964, 0.1982**, and if you desaturate by 10%, it is **56.9803, 0.3045, 0.2494**.

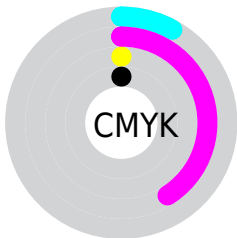
Distribution



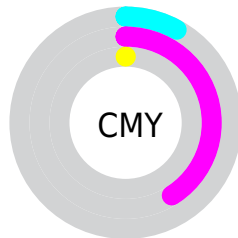
- Red (92%)
- Green (59%)
- Blue (100%)



- Red (92%)
- Yellow (59%)
- Blue (100%)



- Cyan (8%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0154, 0.3007, 0.2231 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 47.0154, 0.3007, 0.2231 by changing the saturation by 10% instead.


 47.0154, 0.3007,
0.2231

 47.0154, 0.3007,
0.2231


374.8760, 0.3082,
0.2709

 33.0478, 0.2985,
0.2126


 85.7366, 0.3037,
0.2393

 22.1631, 0.2956,
0.2000


 111.2590, 0.3047,
0.2458

 13.9768, 0.2916,
0.1844


141.4019, 0.3056,
0.2513

 8.1045, 0.2858,
0.1648

176.5495, 0.3063,
0.2562

 4.1619, 0.2769,
0.1399

217.0864, 0.3069,
0.2605

 1.7645, 0.2625,
0.1077

263.3968, 0.3074,

 0.4649, 0.2390,

0.2643

0.0593

315.8652, 0.3078,
0.2678

■ 0.0000, 0.1846,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.0154, 0.3007,
0.2231

■ 47.0154, 0.3007,
0.2231

■ 38.8509, 0.2964,
0.1982

■ 56.9803, 0.3045,
0.2494

■ 32.3675, 0.2917,
0.1758

■ 68.8476, 0.3077,
0.2760

■ 27.4370, 0.2867,
0.1570

■ 82.7154, 0.3104,
0.3021

■ 23.9111, 0.2815,
0.1424

■ 98.6745, 0.3126,
0.3271

■ 21.6119, 0.2763,
0.1325

100.0000, 0.3127,
0.3290

■ 20.3202, 0.2716,
0.1270

Harmonies

Analogous

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



47.0154, 0.2272, 0.2027



47.0154, 0.3007, 0.2231



47.0154, 0.3894, 0.2644

Triad

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



47.0154, 0.3007, 0.2231



47.0154, 0.4518, 0.4409



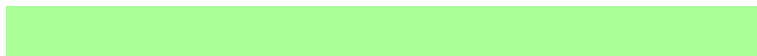
47.0154, 0.1828, 0.3119

Complementary

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



47.0154, 0.3007, 0.2231



82.4206, 0.3183, 0.4511

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.



47.0154, 0.2310, 0.4060



47.0154, 0.3007, 0.2231



47.0154, 0.3860, 0.4837

Square

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



47.0154, 0.3007, 0.2231



47.0154, 0.4824, 0.3807



47.0154, 0.3053, 0.4770



47.0154, 0.1673, 0.2420

Rectangle

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



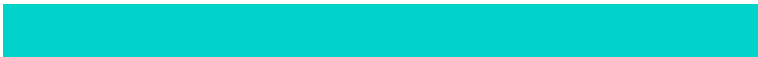
47.0154, 0.3007, 0.2231



47.0154, 0.4411, 0.3001



47.0154, 0.3053, 0.4770



47.0154, 0.1952, 0.3422

Sweetspot

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



47.0166, 0.3007, 0.2231



80.9050, 0.3101, 0.2990



43.2384, 0.2405, 0.2284



16.9114, 0.3098, 0.2956



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.



47.0166, 0.3007, 0.2231



40.1735, 0.2972, 0.2025



48.7728, 0.3445, 0.2556



18.1131, 0.3107, 0.3054



10.6807, 0.2724, 0.1274



1.0832, 0.2783, 0.1306

Inverse Universe

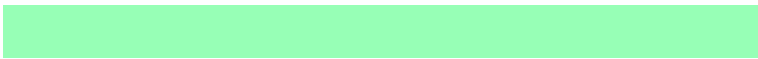
The Inverse Universe completely reimagines the original color for something new.



46.3442, 0.3968, 0.3082



39.5761, 0.4236, 0.3044



81.4881, 0.2914, 0.4166



18.0443, 0.3264, 0.3244



11.2415, 0.6099, 0.3133



1.1089, 0.5804, 0.2971

Previews

White Background



This preview shows how the Yxy color 47.0154, 0.3007, 0.2231 looks on a white background.

Color Contrast Check

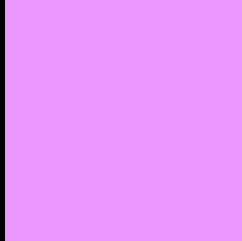
Large Text (above 18pt) WCAG AA × Fail

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 47.0154, 0.3007, 0.2231 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 47.0154, 0.3007, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 47.0154, 0.3007, 0.2231.



This preview shows how white text looks on a background with the Yxy color 47.0154, 0.3007, 0.2231.

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

47.0154, 0.3007, 0.2231

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1635, 0.2521, 0.2461



Tritanopia

46.7800, 0.3543, 0.3140

Trichromacy



Original Color

47.0154, 0.3007, 0.2231



Protanomaly

46.1607, 0.2641, 0.2312



Deuteranomaly

46.1598, 0.2681, 0.2353

Tritanomaly

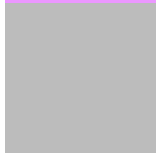
46.4887, 0.3343, 0.2775

Monochromacy



Original Color

47.0154, 0.3007, 0.2231



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3925, 0.3088, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0154, 0.3007, 0.2231 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 151, 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, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.0154, 0.3007, 0.2231 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, 151, 255) }
```

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

```
.border{ border-color:rgb(235, 151, 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, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0154, 0.3007, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 151, 255) }
```

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

```
.background{ background-color: rgb(235,  
151, 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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