

Converting Colors

$Y_{xy}(42.7911, 0.2907, 0.2091)$

Have a look what the booklet for
Yxy(42.7911, 0.2907, 0.2091)
contains.

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Color

Yxy(42.7348, 0.2931, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	E28EFF
RGB	226, 142, 255
RGB Percent	89%, 56%, 100%
CMY	0.1138, 0.4431, 0.0000
CMYK	0.11, 0.44, 0.00, 0.00
HSL	285°, 100%, 78%
HSV	285°, 44%, 100%
XYZ	59.0829, 42.7348, 99.7616
YIQ	179.9980, 13.7910, 52.9510

Conversions

Conversions Part 2

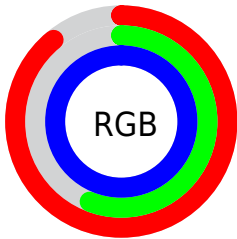
Format	Color
R _Y B	226, 142, 255
Decimal	14847743
CIE _{Lab}	71.37, 50.11, -43.61
CIE _{LCh}	71, 66.424, 318.968
Y _{xy}	42.7348, 0.2931, 0.2120
Android (android.graphics.Color)	4293037823 (0xFFE28EFF)
Y _{UV}	179.9980, 36.9760, 40.3438
Hunter-Lab	65.3719, 46.9270, -44.7200

Details

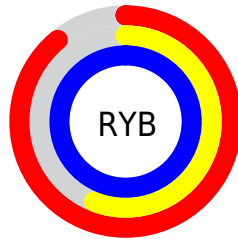
The Yxy color **42.7348, 0.2931, 0.2120** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.1365, 0.3227, 0.4614**, and the grayscale version is **45.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **19.6570, 0.2858, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **34.9555, 0.2869, 0.1868**, and if you desaturate by 10%, it is **52.2906, 0.2987, 0.2388**.

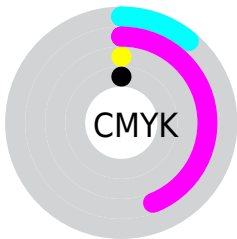
Distribution



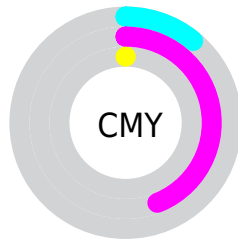
- Red (89%)
- Green (56%)
- Blue (100%)



- Red (89%)
- Yellow (56%)
- Blue (100%)



- Cyan (11%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7348, 0.2931, 0.2120 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 42.7348, 0.2931, 0.2120 by changing the saturation by 10% instead.


 42.7348, 0.2931,
0.2120

 42.7348, 0.2931,
0.2120


357.5200, 0.3047,
0.2650

 29.6771, 0.2899,
0.2004


 79.3105, 0.2976,
0.2300

 19.5936, 0.2856,
0.1864


 103.5973, 0.2992,
0.2371

 12.1000, 0.2797,
0.1692


132.3959, 0.3005,
0.2433

 6.8118, 0.2714,
0.1478

166.0907, 0.3016,
0.2487

 3.3447, 0.2589,
0.1209

205.0661, 0.3026,
0.2535

 1.3142, 0.2389,
0.0869

249.7066, 0.3034,

 0.1522, 0.2105,

0.2578

0.0216

300.3964, 0.3041,
0.2616

■ 0.0000, 0.1149,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7348, 0.2931,
0.2120

■ 42.7348, 0.2931,
0.2120

■ 34.9555, 0.2869,
0.1868

■ 52.2906, 0.2987,
0.2388

■ 28.8315, 0.2801,
0.1642

■ 63.7310, 0.3037,
0.2660

■ 24.2274, 0.2731,
0.1454

■ 77.1565, 0.3079,
0.2928

■ 20.9858, 0.2661,
0.1312

■ 92.6600, 0.3114,
0.3184

■ 18.9137, 0.2592,
0.1218

100.0000, 0.3127,
0.3290

■ 18.1008, 0.2554,
0.1181

Harmonies

Analogous

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



42.7348, 0.2152, 0.1915



42.7348, 0.2931, 0.2120



42.7348, 0.3912, 0.2549

Triad

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



42.7348, 0.2931, 0.2120



42.7348, 0.4669, 0.4447



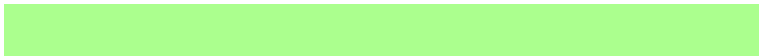
42.7348, 0.1730, 0.3148

Complementary

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



42.7348, 0.2931, 0.2120



82.1365, 0.3227, 0.4614

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.



42.7348, 0.2264, 0.4214



42.7348, 0.2931, 0.2120



42.7348, 0.3957, 0.4970

Square

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



42.7348, 0.2931, 0.2120



42.7348, 0.4994, 0.3782



42.7348, 0.3081, 0.4975



42.7348, 0.1552, 0.2362

Rectangle

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



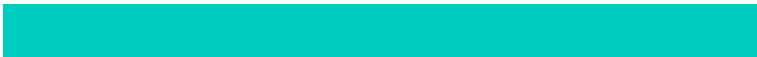
42.7348, 0.2931, 0.2120



42.7348, 0.4502, 0.2926



42.7348, 0.3081, 0.4975



42.7348, 0.1869, 0.3491

Sweetspot

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



42.7351, 0.2931, 0.2120



79.0632, 0.3084, 0.2962



42.5327, 0.2352, 0.2274



16.2381, 0.3075, 0.2904



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.



42.7351, 0.2931, 0.2120



35.8757, 0.2877, 0.1899



46.2478, 0.3410, 0.2426



18.0517, 0.3097, 0.3053



9.5334, 0.2565, 0.1187



0.9805, 0.2641, 0.1229

Inverse Universe

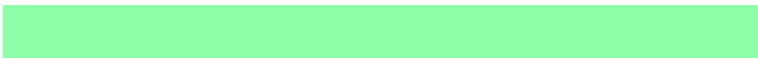
The Inverse Universe completely reimagines the original color for something new.



43.5529, 0.3999, 0.2989



37.0091, 0.4273, 0.2938



80.1136, 0.2936, 0.4354



18.0637, 0.3254, 0.3229



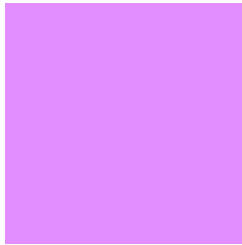
11.3317, 0.5914, 0.3031



1.1202, 0.5598, 0.2857

Previews

White Background



This preview shows how the Yxy color 42.7348, 0.2931, 0.2120 looks on a white background.

Color Contrast Check

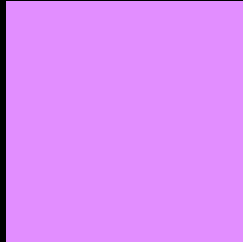
Large Text (above 18pt) WCAG AA × Fail

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 42.7348, 0.2931, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

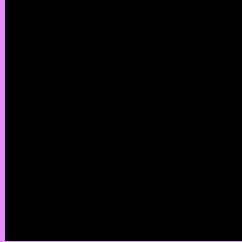
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7348, 0.2931, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 42.7348, 0.2931, 0.2120.



This preview shows how white text looks on a background with the Yxy color 42.7348, 0.2931, 0.2120.

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

42.7348, 0.2931, 0.2120

Protanopia

43.3102, 0.2383, 0.2292

Deuteranopia

42.9297, 0.2414, 0.2351



Tritanopia

42.8030, 0.3529, 0.3145

Trichromacy



Original Color

42.7348, 0.2931, 0.2120



Protanomaly

42.2908, 0.2554, 0.2210



Deuteranomaly

42.0358, 0.2578, 0.2247

Tritanomaly

42.3284, 0.3295, 0.2721

Monochromacy



Original Color

42.7348, 0.2931, 0.2120



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.6477, 0.3062, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7348, 0.2931, 0.2120 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(226, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 142, 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(226, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.7348, 0.2931, 0.2120 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(226, 142, 255) }
```

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

```
.border{ border-color:rgb(226, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7348, 0.2931, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 142, 255) }
```

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

```
.background{ background-color: rgb(226,  
142, 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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