

Converting Colors

$Y_{xy}(45.9416, 0.2710, 0.1774)$

Have a look what the booklet for
Yxy(45.9416, 0.2710, 0.1774)
contains.

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Color

Yxy(42.7251, 0.3034, 0.2091)

Conversions

Conversions Part 1

Format	Color
Hex	EE87FF
RGB	238, 135, 255
RGB Percent	93%, 53%, 100%
CMY	0.0664, 0.4707, 0.0000
CMYK	0.07, 0.47, 0.00, 0.00
HSL	292°, 100%, 76%
HSV	292°, 47%, 100%
XYZ	61.9933, 42.7251, 99.6102
YIQ	179.4770, 22.8680, 59.1560

Conversions

Conversions Part 2

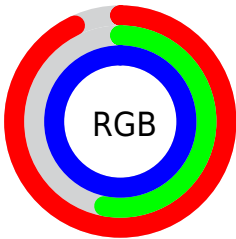
Format	Color
R _Y B	238, 135, 255
Decimal	15632383
CIE Lab	71.37, 57.03, -43.52
CIE LCh	71, 71.738, 322.653
Yxy	42.7251, 0.3034, 0.2091
Android (android.graphics.Color)	4293822463 (0xFFEE87FF)
YUV	179.4770, 37.2328, 51.3247
Hunter-Lab	65.3644, 54.9061, -44.5981

Details

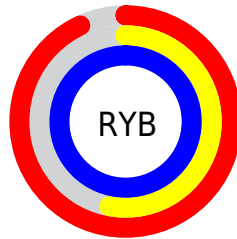
The Yxy color **42.7251, 0.3034, 0.2091** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.9333, 0.3148, 0.4743**, and the grayscale version is **45.1323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **19.6654, 0.2982, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **35.8274, 0.3003, 0.1866**, and if you desaturate by 10%, it is **51.3389, 0.3061, 0.2339**.

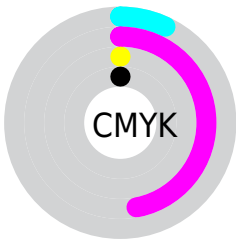
Distribution



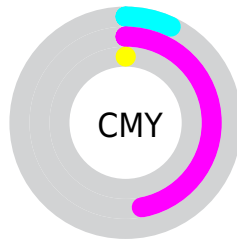
- Red (93%)
- Green (53%)
- Blue (100%)



- Red (93%)
- Yellow (53%)
- Blue (100%)



- Cyan (7%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7251, 0.3034, 0.2091 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 42.7251, 0.3034, 0.2091 by changing the saturation by 10% instead.


 42.7251, 0.3034,
0.2091

 42.7251, 0.3034,
0.2091

357.4800, 0.3102,
0.2630


 29.6695, 0.3013,
0.1974


 79.2959, 0.3062,
0.2274

 19.5879, 0.2983,
0.1833


 103.5798, 0.3072,
0.2346

 12.0958, 0.2941,
0.1660


 132.3753, 0.3080,
0.2409

 6.8090, 0.2879,
0.1447

166.0667, 0.3086,
0.2464

 3.3429, 0.2782,
0.1179

205.0386, 0.3091,
0.2513

 1.3133, 0.2621,
0.0845

249.6751, 0.3095,

 0.1514, 0.2392,

0.2556

0.0208

300.3608, 0.3099,
0.2595

0.0000, 0.1667,
0.0000

0.0000, 0.0000,
0.0000

42.7251, 0.3034,
0.2091

42.7251, 0.3034,
0.2091

35.8274, 0.3003,
0.1866

51.3389, 0.3061,
0.2339

30.5218, 0.2969,
0.1674

61.7800, 0.3084,
0.2598

26.6681, 0.2933,
0.1523

74.1507, 0.3103,
0.2860

24.1011, 0.2896,
0.1418

88.5454, 0.3119,
0.3116

■ 22.6099, 0.2859,
0.1356

100.0000, 0.3127,
0.3290

■ 22.2842, 0.2848,
0.1343

Harmonies

Analogous

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



42.7251, 0.2167, 0.1844



42.7251, 0.3034, 0.2091



42.7251, 0.4098, 0.2566

Triad

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



42.7251, 0.3034, 0.2091



42.7251, 0.4683, 0.4584



42.7251, 0.1595, 0.2997

Complementary

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



42.7251, 0.3034, 0.2091



79.9333, 0.3148, 0.4743

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.



42.7251, 0.2105, 0.4151



42.7251, 0.3034, 0.2091



42.7251, 0.3882, 0.5134

Square

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



42.7251, 0.3034, 0.2091



42.7251, 0.5113, 0.3875



42.7251, 0.2945, 0.5070



42.7251, 0.1458, 0.2217

Rectangle

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



42.7251, 0.3034, 0.2091



42.7251, 0.4707, 0.2970



42.7251, 0.2945, 0.5070



42.7251, 0.1722, 0.3357

Sweetspot

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



42.7251, 0.3034, 0.2091



78.3570, 0.3109, 0.2939



35.1387, 0.2267, 0.2021



16.1355, 0.3105, 0.2883



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.



42.7251, 0.3034, 0.2091



36.4900, 0.3007, 0.1889



43.3800, 0.3571, 0.2503



18.1629, 0.3115, 0.3054



11.6939, 0.2854, 0.1346



1.1727, 0.2897, 0.1370

Inverse Universe

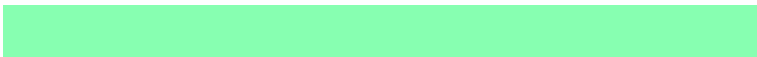
The Inverse Universe completely reimagines the original color for something new.



40.8401, 0.4241, 0.3117



34.5679, 0.4586, 0.3094



79.8408, 0.2860, 0.4254



18.0288, 0.3272, 0.3257



11.1878, 0.6216, 0.3198



1.1013, 0.5954, 0.3054

Previews

White Background



This preview shows how the Yxy color 42.7251, 0.3034, 0.2091 looks on a white background.

Color Contrast Check

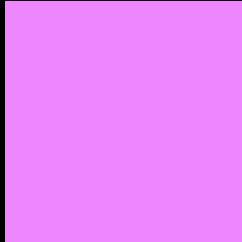
Large Text (above 18pt) WCAG AA × Fail

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 42.7251, 0.3034, 0.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

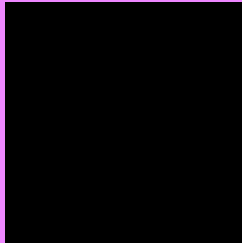
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7251, 0.3034, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 42.7251, 0.3034, 0.2091.



This preview shows how white text looks on a background with the Yxy color 42.7251, 0.3034, 0.2091.

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

42.7251, 0.3034, 0.2091

Protanopia

43.3102, 0.2383, 0.2292

Deuteranopia

42.9604, 0.2425, 0.2363



Tritanopia

42.4015, 0.3720, 0.3151

Trichromacy



Original Color

42.7251, 0.3034, 0.2091



Protanomaly

41.7196, 0.2579, 0.2184



Deuteranomaly

41.5851, 0.2611, 0.2222

Tritanomaly

42.1263, 0.3454, 0.2718

Monochromacy



Original Color

42.7251, 0.3034, 0.2091



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.9787, 0.3089, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7251, 0.3034, 0.2091 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(238, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 135, 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(238, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.7251, 0.3034, 0.2091 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(238, 135, 255) }
```

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

```
.border{ border-color:rgb(238, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7251, 0.3034, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 135, 255) }
```

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

```
.background{ background-color: rgb(238,  
135, 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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