

Converting Colors

$Y_{xy}(42.8651, 0.3074, 0.2097)$

Have a look what the booklet for
Yxy(42.8651, 0.3074, 0.2097)
contains.

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Color

Yxy(42.8081, 0.3077, 0.2094)

Conversions

Conversions Part 1

Format	Color
Hex	F285FE
RGB	242, 133, 254
RGB Percent	95%, 52%, 100%
CMY	0.0509, 0.4785, 0.0039
CMYK	0.05, 0.48, 0.00, 0.00
HSL	294°, 98%, 76%
HSV	294°, 48%, 100%
XYZ	62.9038, 42.8081, 98.7203
YIQ	179.3850, 26.1230, 60.7390

Conversions

Conversions Part 2

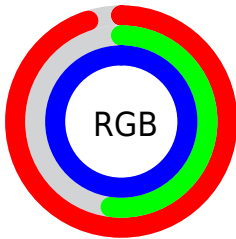
Format	Color
R _Y B	242, 133, 254
Decimal	15894014
CIE Lab	71.42, 58.90, -42.84
CIE LCh	71, 72.832, 323.969
Yxy	42.8081, 0.3077, 0.2094
Android (android.graphics.Color)	4294084094 (0xFFFF285FE)
YUV	179.3850, 36.7852, 54.9134
Hunter-Lab	65.4279, 57.1149, -43.6597

Details

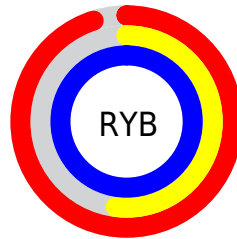
The Yxy color **42.8081, 0.3077, 0.2094** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.5985, 0.3120, 0.4775**, and the grayscale version is **45.0849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **19.6703, 0.3040, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **36.2349, 0.3058, 0.1879**, and if you desaturate by 10%, it is **51.0725, 0.3093, 0.2334**.

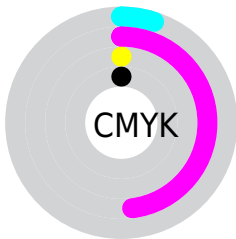
Distribution



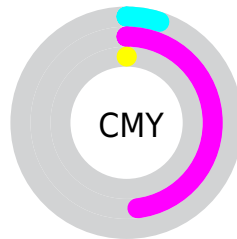
- Red (95%)
- Green (52%)
- Blue (100%)



- Red (95%)
- Yellow (52%)
- Blue (100%)



- Cyan (5%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8081, 0.3077, 0.2094 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 42.8081, 0.3077, 0.2094 by changing the saturation by 10% instead.

 42.8081, 0.3077,
0.2094


 42.8081, 0.3077,
0.2094


357.8220, 0.3124,
0.2631


 29.7346, 0.3060,
0.1977


 79.4212, 0.3098,
0.2276

 19.6372, 0.3037,
0.1837


 103.7296, 0.3105,
0.2348

 12.1316, 0.3003,
0.1665


 132.5517, 0.3110,
0.2411

 6.8334, 0.2951,
0.1452

166.2719, 0.3114,
0.2466

 3.3581, 0.2867,
0.1186

205.2746, 0.3118,
0.2514

 1.3214, 0.2724,
0.0852

249.9443, 0.3120,

 0.1577, 0.2521,

0.2557

0.0217

300.6653, 0.3122,
0.2596

0.0000, 0.1859,
0.0000

0.0000, 0.0000,
0.0000

42.8081, 0.3077,
0.2094

42.8081, 0.3077,
0.2094

36.2349, 0.3058,
0.1879

51.0725, 0.3093,
0.2334

31.2239, 0.3036,
0.1698

61.1333, 0.3106,
0.2588

27.6368, 0.3013,
0.1558

73.0941, 0.3116,
0.2847

25.3084, 0.2988,
0.1464

87.0487, 0.3123,
0.3102

■ 24.0207, 0.2962,
0.1411

99.8607, 0.3130,
0.3299

■ 23.7934, 0.2956,
0.1402

99.9363, 0.3133,
0.3299

Harmonies

Analogous

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



42.8081, 0.2186, 0.1834



42.8081, 0.3077, 0.2094



42.8081, 0.4158, 0.2581

Triad

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



42.8081, 0.3077, 0.2094



42.8081, 0.4669, 0.4625



42.8081, 0.1563, 0.2946

Complementary

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



42.8081, 0.3077, 0.2094



78.5985, 0.3120, 0.4775

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.



42.8081, 0.2060, 0.4111



42.8081, 0.3077, 0.2094



42.8081, 0.3847, 0.5172

Square

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



42.8081, 0.3077, 0.2094



42.8081, 0.5130, 0.3908



42.8081, 0.2897, 0.5076



42.8081, 0.1442, 0.2178

Rectangle

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



42.8081, 0.3077, 0.2094



42.8081, 0.4763, 0.2992



42.8081, 0.2897, 0.5076



42.8081, 0.1685, 0.3305

Sweetspot

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



42.8100, 0.3077, 0.2094



78.6358, 0.3119, 0.2940



32.4188, 0.2242, 0.1928



16.2042, 0.3117, 0.2885



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.



42.8100, 0.3077, 0.2094



36.9298, 0.3059, 0.1891



42.2799, 0.3641, 0.2551



18.2037, 0.3122, 0.3055



12.5800, 0.2961, 0.1405



1.2502, 0.2991, 0.1421

Inverse Universe

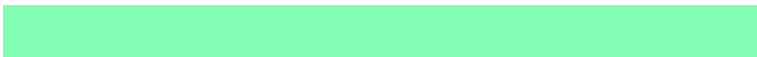
The Inverse Universe completely reimagines the original color for something new.



39.8863, 0.4320, 0.3169



33.7926, 0.4705, 0.3154



79.2270, 0.2829, 0.4189



18.0163, 0.3279, 0.3267



11.1556, 0.6290, 0.3239



1.0955, 0.6079, 0.3122

Previews

White Background



This preview shows how the Yxy color 42.8081, 0.3077, 0.2094 looks on a white background.

Color Contrast Check

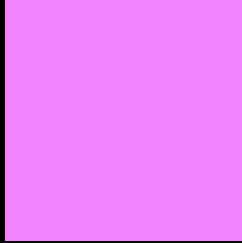
Large Text (above 18pt) WCAG AA × Fail

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 42.8081, 0.3077, 0.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

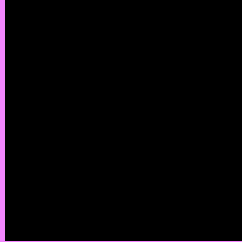
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8081, 0.3077, 0.2094

Background



This preview shows how black text looks on a background with the Yxy color 42.8081, 0.3077, 0.2094.



This preview shows how white text looks on a background with the Yxy color 42.8081, 0.3077, 0.2094.

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

42.8081, 0.3077, 0.2094

Protanopia

43.3102, 0.2383, 0.2292

Deuteranopia

43.0866, 0.2443, 0.2376



Tritanopia

42.6508, 0.3783, 0.3165

Trichromacy



Original Color

42.8081, 0.3077, 0.2094



Protanomaly

41.6188, 0.2592, 0.2177



Deuteranomaly

41.4231, 0.2631, 0.2224

Tritanomaly

42.0814, 0.3515, 0.2725

Monochromacy



Original Color

42.8081, 0.3077, 0.2094



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.8534, 0.3116, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8081, 0.3077, 0.2094 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(242, 133, 254)` looks like.

```
.text, #text, p{  
    color:rgb(242, 133, 254)  
}
```

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(242, 133, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 133, 254) }
```

Border

The CSS property to change the border of an element to Yxy 42.8081, 0.3077, 0.2094 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(242, 133, 254) }
```

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

```
.border{ border-color:rgb(242, 133, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 133, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 133, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 133, 254);  
box-shadow:4px 4px 4px 4px rgb(242, 133,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8081, 0.3077, 0.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 133, 254) }
```

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

```
.background{ background-color: rgb(242,  
133, 254) }
```

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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