

Converting Colors

$Y_{xy}(44.9773, 0.3140, 0.2131)$

Have a look what the booklet for
Yxy(44.9773, 0.3140, 0.2131)
contains.

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Color

Yxy(44.8719, 0.3138, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	FA87FF
RGB	250, 135, 255
RGB Percent	98%, 53%, 100%
CMY	0.0195, 0.4706, 0.0001
CMYK	0.02, 0.47, 0.00, 0.00
HSL	298°, 100%, 76%
HSV	298°, 47%, 100%
XYZ	66.1381, 44.8719, 99.7551
YIQ	183.0650, 30.0200, 61.7000

Conversions

Conversions Part 2

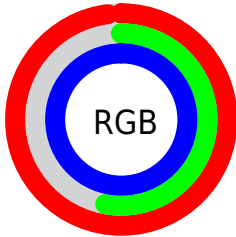
Format	Color
R_{YB}	250, 135, 255
Decimal	16418815
CIE _{Lab}	72.81, 60.28, -41.13
CIE _{LCh}	73, 72.977, 325.694
Yxy	44.8719, 0.3138, 0.2129
Android (android.graphics.Color)	4294608895 (0xFFFA87FF)
YUV	183.0650, 35.4640, 58.7020
Hunter-Lab	66.9865, 59.0129, -41.4031

Details

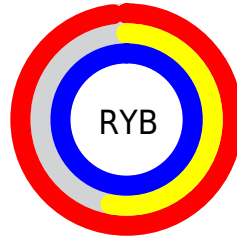
The Yxy color **44.8719, 0.3138, 0.2129** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.8202, 0.3083, 0.4771**, and the grayscale version is **47.1823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.8909, 0.3110, 0.1881** is the 20% darker color. If you saturate the color by 10%, you get **38.3968, 0.3136, 0.1923**, and if you desaturate by 10%, it is **53.0553, 0.3138, 0.2361**.

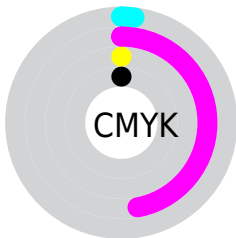
Distribution



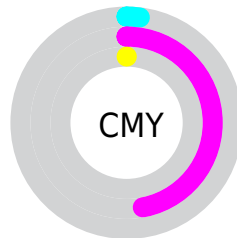
- Red (98%)
- Green (53%)
- Blue (100%)



- Red (98%)
- Yellow (53%)
- Blue (100%)



- Cyan (2%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8719, 0.3138, 0.2129 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 44.8719, 0.3138, 0.2129 by changing the saturation by 10% instead.


 44.8719, 0.3138,
0.2129

 44.8719, 0.3138,
0.2129


366.2545, 0.3155,
0.2648

 31.3565, 0.3129,
0.2017


 82.5282, 0.3148,
0.2304

 20.8705, 0.3115,
0.1881


 107.4378, 0.3151,
0.2374

 13.0294, 0.3094,
0.1716


 136.9144, 0.3152,
0.2434

 7.4488, 0.3059,
0.1511

171.3423, 0.3153,
0.2488

 3.7443, 0.3000,
0.1254

211.1058, 0.3154,
0.2535

 1.5316, 0.2893,
0.0929

256.5894, 0.3154,

 0.3108, 0.2727,

0.2576

0.0395

308.1775, 0.3155,
0.2614

■ 0.0000, 0.2272,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.8719, 0.3138,
0.2129

■ 44.8719, 0.3138,
0.2129

■ 38.3968, 0.3136,
0.1923

■ 53.0553, 0.3138,
0.2361

■ 33.5006, 0.3131,
0.1751

■ 63.0525, 0.3137,
0.2610

■ 30.0448, 0.3125,
0.1622

■ 74.9673, 0.3134,
0.2864

■ 27.8647, 0.3117,
0.1536

■ 88.8941, 0.3130,
0.3117

■ 26.7498, 0.3107,
0.1492

99.9979, 0.3127,
0.3290

■ 26.5309, 0.3104,
0.1484

Harmonies

Analogous

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



44.8719, 0.2239, 0.1856



44.8719, 0.3138, 0.2129



44.8719, 0.4203, 0.2623

Triad

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



44.8719, 0.3138, 0.2129



44.8719, 0.4615, 0.4653



44.8719, 0.1564, 0.2896

Complementary

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



44.8719, 0.3138, 0.2129



78.8202, 0.3083, 0.4771

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.



44.8719, 0.2035, 0.4031



44.8719, 0.3138, 0.2129



44.8719, 0.3790, 0.5166

Square

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



44.8719, 0.3138, 0.2129



44.8719, 0.5095, 0.3947



44.8719, 0.2850, 0.5014



44.8719, 0.1462, 0.2163

Rectangle

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



44.8719, 0.3138, 0.2129



44.8719, 0.4782, 0.3035



44.8719, 0.2850, 0.5014



44.8719, 0.1677, 0.3243

Sweetspot

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



44.8739, 0.3138, 0.2129



79.0214, 0.3133, 0.2942



31.4192, 0.2241, 0.1874



16.2992, 0.3134, 0.2887



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.



44.8739, 0.3138, 0.2129



39.0119, 0.3136, 0.1943



42.7990, 0.3695, 0.2617



18.2599, 0.3131, 0.3055



13.8838, 0.3106, 0.1485



1.3632, 0.3118, 0.1492

Inverse Universe

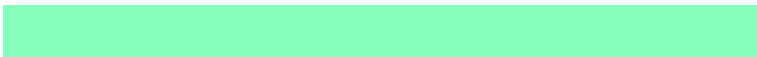
The Inverse Universe completely reimagines the original color for something new.



40.4748, 0.4376, 0.3243



34.2027, 0.4764, 0.3237



80.3241, 0.2802, 0.4098



17.9992, 0.3288, 0.3281



11.1261, 0.6359, 0.3277



1.0874, 0.6261, 0.3223

Previews

White Background



This preview shows how the Yxy color 44.8719, 0.3138, 0.2129 looks on a white background.

Color Contrast Check

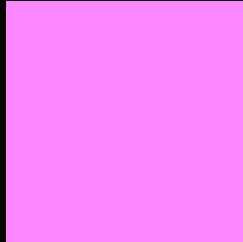
Large Text (above 18pt) WCAG AA × Fail

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 44.8719, 0.3138, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

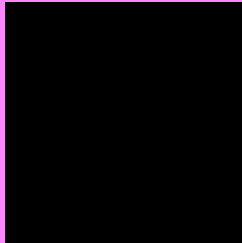
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8719, 0.3138, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 44.8719, 0.3138, 0.2129.



This preview shows how white text looks on a background with the Yxy color 44.8719, 0.3138, 0.2129.

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

44.8719, 0.3138, 0.2129

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.3278, 0.2495, 0.2436



Tritanopia

44.5834, 0.3846, 0.3158

Trichromacy



Original Color

44.8719, 0.3138, 0.2129



Protanomaly

43.7520, 0.2641, 0.2235



Deuteranomaly

43.8192, 0.2696, 0.2286

Tritanomaly

44.3580, 0.3577, 0.2742

Monochromacy



Original Color

44.8719, 0.3138, 0.2129



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.1413, 0.3133, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8719, 0.3138, 0.2129 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(250, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8719, 0.3138, 0.2129 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(250, 135, 255) }
```

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

```
.border{ border-color:rgb(250, 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(250, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8719, 0.3138, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 135, 255) }
```

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

```
.background{ background-color: rgb(250,  
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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