

Converting Colors

$Y_{xy}(52.0816, 0.3129, 0.2338)$

Have a look what the booklet for
Yxy(52.0816, 0.3129, 0.2338)
contains.

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Color

Yxy(51.9977, 0.3130, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	FA9EFF
RGB	250, 158, 255
RGB Percent	98%, 62%, 100%
CMY	0.0196, 0.3804, 0.0000
CMYK	0.02, 0.38, 0.00, 0.00
HSL	297°, 100%, 81%
HSV	297°, 38%, 100%
XYZ	69.7014, 51.9977, 100.9891
YIQ	196.5660, 23.6950, 49.6710

Conversions

Conversions Part 2

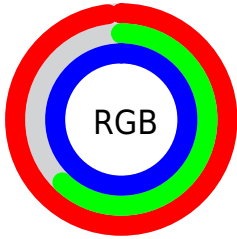
Format	Color
R _Y B	250, 158, 255
Decimal	16424703
CIE Lab	77.28, 48.82, -34.22
CIE LCh	77, 59.621, 324.975
Yxy	51.9977, 0.3130, 0.2335
Android (android.graphics.Color)	4294614783 (0xFFFA9EFF)
YUV	196.5660, 28.8080, 46.8616
Hunter-Lab	72.1094, 46.3477, -32.5589

Details

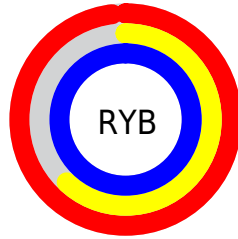
The Yxy color **51.9977, 0.3130, 0.2335** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7769, 0.3101, 0.4446**, and the grayscale version is **55.3726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.1843, 0.3115, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **43.9404, 0.3127, 0.2103**, and if you desaturate by 10%, it is **61.8630, 0.3132, 0.2584**.

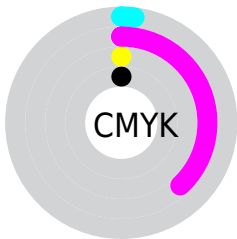
Distribution



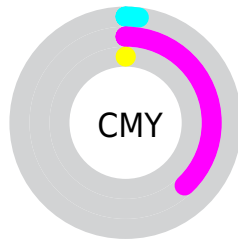
- Red (98%)
- Green (62%)
- Blue (100%)



- Red (98%)
- Yellow (62%)
- Blue (100%)



- Cyan (2%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9977, 0.3130, 0.2335 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 51.9977, 0.3130, 0.2335 by changing the saturation by 10% instead.


 51.9977, 0.3130,
0.2335


 51.9977, 0.3130,
0.2335


394.4277, 0.3143,
0.2762

 37.0032, 0.3124,
0.2242


 93.1278, 0.3137,
0.2480

 25.2100, 0.3114,
0.2129


 120.0323, 0.3139,
0.2537

 16.2336, 0.3099,
0.1990


151.6756, 0.3141,
0.2587

 9.6896, 0.3076,
0.1815

188.4421, 0.3142,
0.2631

 5.1936, 0.3036,
0.1590

230.7161, 0.3142,
0.2669

 2.3613, 0.2965,
0.1296

278.8821, 0.3143,

 0.8059, 0.2828,

0.2704

0.0903

333.3246, 0.3143,
0.2735

0.0000, 0.2635,
0.0000

0.0000, 0.0000,
0.0000

51.9977, 0.3130,
0.2335

51.9977, 0.3130,
0.2335

43.9404, 0.3127,
0.2103

61.8630, 0.3132,
0.2584

37.5762, 0.3121,
0.1898

73.6366, 0.3131,
0.2839

32.7809, 0.3114,
0.1728

87.4144, 0.3129,
0.3092

29.4121, 0.3104,
0.1601

100.0000, 0.3127,
0.3290

■ 27.3019, 0.3093,
0.1518

■ 26.2222, 0.3080,
0.1475

■ 26.0678, 0.3078,
0.1469

Harmonies

Analogous

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



51.9977, 0.2407, 0.2111



51.9977, 0.3130, 0.2335



51.9977, 0.3953, 0.2751

Triad

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



51.9977, 0.3130, 0.2335



51.9977, 0.4369, 0.4422



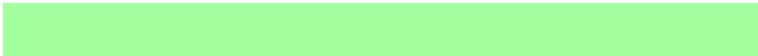
51.9977, 0.1867, 0.3030

Complementary

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



51.9977, 0.3130, 0.2335



81.7769, 0.3101, 0.4446

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.



51.9977, 0.2286, 0.3884



51.9977, 0.3130, 0.2335



51.9977, 0.3725, 0.4758

Square

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



51.9977, 0.3130, 0.2335



51.9977, 0.4703, 0.3873



51.9977, 0.2962, 0.4596



51.9977, 0.1758, 0.2416

Rectangle

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



51.9977, 0.3130, 0.2335



51.9977, 0.4404, 0.3101



51.9977, 0.2962, 0.4596



51.9977, 0.1972, 0.3300

Sweetspot

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



51.9985, 0.3130, 0.2335



83.1172, 0.3130, 0.3018



41.2103, 0.2435, 0.2205



17.3826, 0.3130, 0.2983



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.



51.9985, 0.3130, 0.2335



45.4403, 0.3128, 0.2149



50.5186, 0.3535, 0.2727



18.2498, 0.3130, 0.3055



13.6418, 0.3080, 0.1470



1.3423, 0.3096, 0.1479

Inverse Universe

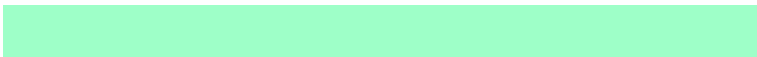
The Inverse Universe completely reimagines the original color for something new.



48.3609, 0.4025, 0.3240



41.3572, 0.4320, 0.3231



82.9616, 0.2861, 0.3936



18.0023, 0.3286, 0.3278



11.1304, 0.6349, 0.3271



1.0888, 0.6227, 0.3204

Previews

White Background



This preview shows how the Yxy color 51.9977, 0.3130, 0.2335 looks on a white background.

Color Contrast Check

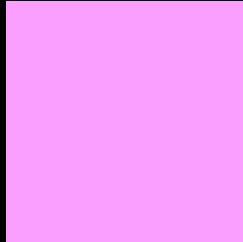
Large Text (above 18pt) WCAG AA × Fail

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 51.9977, 0.3130, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

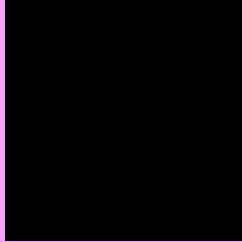
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9977, 0.3130, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 51.9977, 0.3130, 0.2335.



This preview shows how white text looks on a background with the Yxy color 51.9977, 0.3130, 0.2335.

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

51.9977, 0.3130, 0.2335

Protanopia

52.3858, 0.2566, 0.2524

Deuteranopia

52.2710, 0.2638, 0.2580



Tritanopia

52.1331, 0.3629, 0.3149

Trichromacy



Original Color

51.9977, 0.3130, 0.2335



Protanomaly

51.3401, 0.2744, 0.2438



Deuteranomaly

51.2467, 0.2799, 0.2471

Tritanomaly

51.9415, 0.3440, 0.2833

Monochromacy



Original Color

51.9977, 0.3130, 0.2335



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.5279, 0.3129, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9977, 0.3130, 0.2335 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, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 158, 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, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9977, 0.3130, 0.2335 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, 158, 255) }
```

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

```
.border{ border-color:rgb(250, 158, 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, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9977, 0.3130, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 158, 255) }
```

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

```
.background{ background-color: rgb(250,  
158, 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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