

Converting Colors

$Y_{xy}(84.9812, 0.4312, 0.2638)$

Have a look what the booklet for
Yxy(84.9812, 0.4312, 0.2638)
contains.

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Color

Yxy(48.5951, 0.3235, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	FF92F8
RGB	255, 146, 248
RGB Percent	100%, 57%, 97%
CMY	0.0000, 0.4275, 0.0274
CMYK	0.00, 0.43, 0.03, 0.00
HSL	304°, 100%, 79%
HSV	304°, 43%, 100%
XYZ	68.4691, 48.5951, 94.5869
YIQ	190.2190, 32.2220, 54.8300

Conversions

Conversions Part 2

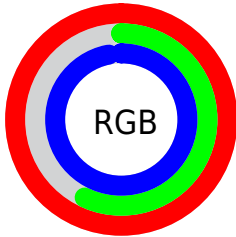
Format	Color
R _Y B	255, 146, 248
Decimal	16749304
CIE _{Lab}	75.20, 55.12, -33.59
CIE _{LCh}	75, 64.550, 328.639
Yxy	48.5951, 0.3235, 0.2296
Android (android.graphics.Color)	4294939384 (0xFFFF92F8)
YUV	190.2190, 28.4860, 56.8129
Hunter-Lab	69.7102, 53.3294, -31.6510

Details

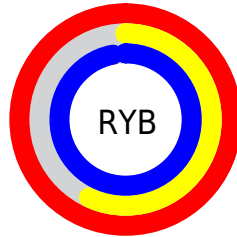
The Yxy color **48.5951, 0.3235, 0.2296** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.9294, 0.3031, 0.4541**, and the grayscale version is **51.4410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **23.1516, 0.3243, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **41.4884, 0.3263, 0.2092**, and if you desaturate by 10%, it is **57.4517, 0.3207, 0.2521**.

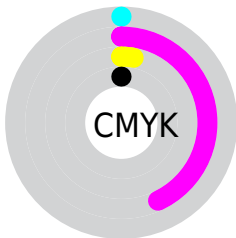
Distribution



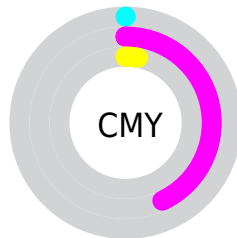
- Red (100%)
- Green (57%)
- Blue (97%)



- Red (100%)
- Yellow (57%)
- Blue (97%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5951, 0.3235, 0.2296 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 48.5951, 0.3235, 0.2296 by changing the saturation by 10% instead.


 48.5951, 0.3235,
0.2296


 48.5951, 0.3235,
0.2296


381.1461, 0.3199,
0.2743

 34.2984, 0.3240,
0.2198


 88.0898, 0.3225,
0.2448

 23.1229, 0.3244,
0.2079


 114.0566, 0.3221,
0.2508

 14.6843, 0.3246,
0.1933


144.6822, 0.3217,
0.2560

 8.5981, 0.3243,
0.1748

180.3510, 0.3213,
0.2606

 4.4800, 0.3232,
0.1511

221.4474, 0.3209,
0.2646

 1.9455, 0.3197,
0.1200

268.3558, 0.3205,

 0.5755, 0.3119,

0.2682

0.0751

321.4606, 0.3202,
0.2714

0.0000, 0.2943,
0.0000

0.0000, 0.0000,
0.0000

48.5951, 0.3235,
0.2296

48.5951, 0.3235,
0.2296

41.4884, 0.3263,
0.2092

57.4517, 0.3207,
0.2521

36.0197, 0.3292,
0.1919

68.1713, 0.3180,
0.2756

32.0545, 0.3319,
0.1785

80.8504, 0.3155,
0.2994

29.4399, 0.3343,
0.1694

95.5805, 0.3133,
0.3227

■ 27.9904, 0.3366,
0.1648

100.0000, 0.3127,
0.3290

■ 27.4715, 0.3380,
0.1636

Harmonies

Analogous

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



48.5951, 0.2418, 0.2027



48.5951, 0.3235, 0.2296



48.5951, 0.4142, 0.2762

Triad

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



48.5951, 0.3235, 0.2296



48.5951, 0.4401, 0.4577



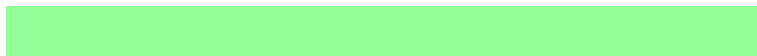
48.5951, 0.1721, 0.2888

Complementary

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



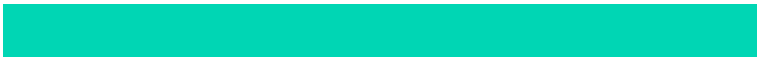
48.5951, 0.3235, 0.2296



79.9294, 0.3031, 0.4541

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.



48.5951, 0.2125, 0.3828



48.5951, 0.3235, 0.2296



48.5951, 0.3664, 0.4930

Square

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



48.5951, 0.3235, 0.2296



48.5951, 0.4836, 0.3978



48.5951, 0.2831, 0.4687



48.5951, 0.1649, 0.2268

Rectangle

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



48.5951, 0.3235, 0.2296



48.5951, 0.4611, 0.3144



48.5951, 0.2831, 0.4687



48.5951, 0.1818, 0.3176

Sweetspot

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



48.5931, 0.3235, 0.2296



80.5068, 0.3156, 0.2988



34.3967, 0.2357, 0.1970



16.5981, 0.3161, 0.2936



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.



48.5931, 0.3235, 0.2296



42.6092, 0.3258, 0.2126



45.7572, 0.3734, 0.2784



18.2791, 0.3148, 0.3071



14.3631, 0.3377, 0.1634



1.4043, 0.3356, 0.1622

Inverse Universe

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



48.5931, 0.3235, 0.2296



42.6092, 0.3258, 0.2126



82.0838, 0.2772, 0.3873



18.2791, 0.3148, 0.3071



14.3631, 0.3377, 0.1634



1.4043, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 48.5951, 0.3235, 0.2296 looks on a white background.

Color Contrast Check

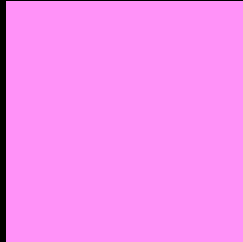
Large Text (above 18pt) WCAG AA × Fail

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 48.5951, 0.3235, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

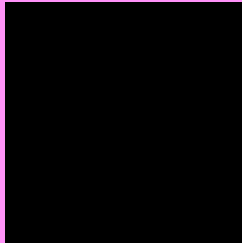
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5951, 0.3235, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 48.5951, 0.3235, 0.2296.



This preview shows how white text looks on a background with the Yxy color 48.5951, 0.3235, 0.2296.

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

48.5951, 0.3235, 0.2296

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.6910, 0.2644, 0.2583



Tritanopia

48.4895, 0.3819, 0.3162

Trichromacy



Original Color

48.5951, 0.3235, 0.2296



Protanomaly

47.5135, 0.2727, 0.2368



Deuteranomaly

47.6041, 0.2834, 0.2446



Tritanomaly

48.1337, 0.3598, 0.2816

Monochromacy



Original Color

48.5951, 0.3235, 0.2296



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.2714, 0.3173, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5951, 0.3235, 0.2296 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(255, 146, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 248)  
}
```

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(255, 146, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 248) }
```

Border

The CSS property to change the border of an element to Yxy 48.5951, 0.3235, 0.2296 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(255, 146, 248) }
```

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

```
.border{ border-color:rgb(255, 146, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5951, 0.3235, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 248) }
```

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

```
.background{ background-color: rgb(255,  
146, 248) }
```

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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