

Converting Colors

$Y_{xy}(48.8460, 0.3201, 0.2263)$

Have a look what the booklet for
Yxy(48.8460, 0.3201, 0.2263)
contains.

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Color

Yxy(48.8460, 0.3201, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	FF92FC
RGB	255, 146, 252
RGB Percent	100%, 57%, 99%
CMY	0.0000, 0.4274, 0.0116
CMYK	0.00, 0.43, 0.01, 0.00
HSL	302°, 100%, 79%
HSV	302°, 43%, 100%
XYZ	69.0924, 48.8460, 97.9078
YIQ	190.6750, 30.9380, 56.0740

Conversions

Conversions Part 2

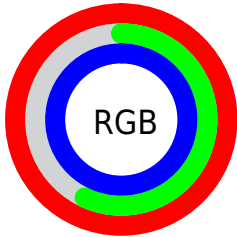
Format	Color
R _Y B	255, 146, 252
Decimal	16749308
CIE Lab	75.36, 55.80, -35.53
CIE LCh	75, 66.152, 327.512
Yxy	48.8460, 0.3201, 0.2263
Android (android.graphics.Color)	4294939388 (0xFFFF92FC)
YUV	190.6750, 30.2332, 56.4130
Hunter-Lab	69.8899, 54.1557, -34.1356

Details

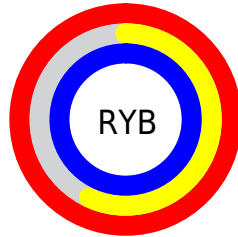
The Yxy color **48.8460, 0.3201, 0.2263** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.7985, 0.3050, 0.4590**, and the grayscale version is **51.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **23.1581, 0.3198, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **41.8000, 0.3219, 0.2055**, and if you desaturate by 10%, it is **57.6496, 0.3183, 0.2494**.

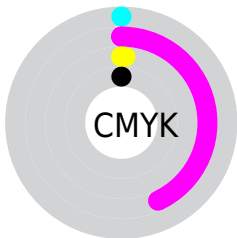
Distribution



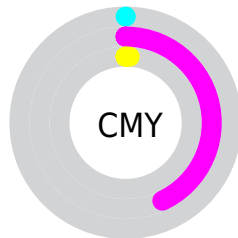
- Red (100%)
- Green (57%)
- Blue (99%)



- Red (100%)
- Yellow (57%)
- Blue (99%)



- Cyan (0%)
- Magenta (43%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8460, 0.3201, 0.2263 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 48.8460, 0.3201, 0.2263 by changing the saturation by 10% instead.


 48.8460, 0.3201,
0.2263


 48.8460, 0.3201,
0.2263

382.1357, 0.3183,
0.2723

 34.4973, 0.3201,
0.2163


 88.4627, 0.3198,
0.2419

 23.2759, 0.3200,
0.2042


 114.4995, 0.3196,
0.2481

 14.7974, 0.3195,
0.1893


145.2011, 0.3193,
0.2534

 8.6773, 0.3183,
0.1706

180.9520, 0.3191,
0.2581

 4.5313, 0.3158,
0.1468

222.1365, 0.3189,
0.2623

 1.9750, 0.3104,
0.1158

269.1391, 0.3187,

 0.5929, 0.2995,

0.2660

0.0723

322.3440, 0.3185,
0.2693

■ 0.0000, 0.2772,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8460, 0.3201,
0.2263

■ 48.8460, 0.3201,
0.2263

■ 41.8000, 0.3219,
0.2055

■ 57.6496, 0.3183,
0.2494

■ 36.3870, 0.3235,
0.1878

■ 68.3113, 0.3165,
0.2737

■ 32.4769, 0.3250,
0.1740

■ 80.9317, 0.3148,
0.2983

■ 29.9167, 0.3263,
0.1647

■ 95.6025, 0.3131,
0.3225

■ 28.5209, 0.3273,
0.1596

99.9995, 0.3127,
0.3290

■ 28.0405, 0.3280,
0.1580

Harmonies

Analogous

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



48.8460, 0.2377, 0.1998



48.8460, 0.3201, 0.2263



48.8460, 0.4132, 0.2730

Triad

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



48.8460, 0.3201, 0.2263



48.8460, 0.4447, 0.4578



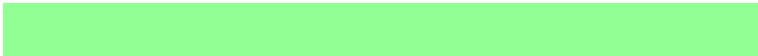
48.8460, 0.1703, 0.2908

Complementary

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



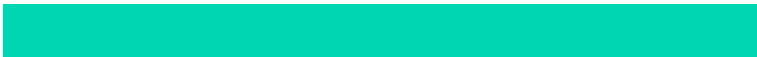
48.8460, 0.3201, 0.2263



79.7985, 0.3050, 0.4590

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.



48.8460, 0.2125, 0.3879



48.8460, 0.3201, 0.2263



48.8460, 0.3702, 0.4963

Square

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



48.8460, 0.3201, 0.2263



48.8460, 0.4878, 0.3961



48.8460, 0.2853, 0.4747



48.8460, 0.1619, 0.2262

Rectangle

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



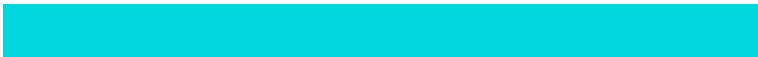
48.8460, 0.3201, 0.2263



48.8460, 0.4624, 0.3115



48.8460, 0.2853, 0.4747



48.8460, 0.1805, 0.3206

Sweetspot

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



48.8482, 0.3201, 0.2263



80.5849, 0.3148, 0.2977



34.0572, 0.2333, 0.1962



16.6176, 0.3152, 0.2922



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.



48.8482, 0.3201, 0.2263



42.9087, 0.3216, 0.2089



45.9267, 0.3696, 0.2747



18.2913, 0.3142, 0.3062



14.6559, 0.3278, 0.1580



1.4296, 0.3270, 0.1575

Inverse Universe

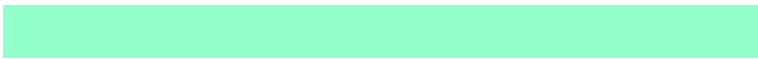
The Inverse Universe completely reimagines the original color for something new.



48.8482, 0.3201, 0.2263



42.9087, 0.3216, 0.2089



81.9089, 0.2790, 0.3919



18.2913, 0.3142, 0.3062



14.6559, 0.3278, 0.1580



1.4296, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 48.8460, 0.3201, 0.2263 looks on a white background.

Color Contrast Check

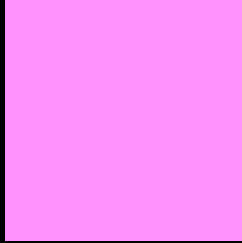
Large Text (above 18pt) WCAG AA × Fail

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 48.8460, 0.3201, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

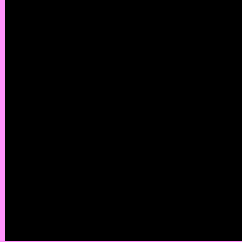
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8460, 0.3201, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 48.8460, 0.3201, 0.2263.



This preview shows how white text looks on a background with the Yxy color 48.8460, 0.3201, 0.2263.

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

48.8460, 0.3201, 0.2263

Protanopia

49.3935, 0.2508, 0.2453

Deuteranopia

49.2302, 0.2614, 0.2552



Tritanopia

48.7020, 0.3796, 0.3161

Trichromacy



Original Color

48.8460, 0.3201, 0.2263



Protanomaly

47.7755, 0.2722, 0.2352



Deuteranomaly

48.0833, 0.2799, 0.2417



Tritanomaly

48.5655, 0.3577, 0.2806

Monochromacy



Original Color

48.8460, 0.3201, 0.2263



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.7602, 0.3156, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8460, 0.3201, 0.2263 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 252) }
```

Border

The CSS property to change the border of an element to Yxy 48.8460, 0.3201, 0.2263 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, 252) }
```

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

```
.border{ border-color:rgb(255, 146, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8460, 0.3201, 0.2263 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
146, 252) }
```

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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