

Converting Colors

Yxy(56.5514, 0.2651, 0.1794)

Have a look what the booklet for
Yxy(56.5514, 0.2651, 0.1794)
contains.

Yxy(50.8404, 0.3140, 0.2301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.8404, 0.3140, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	FB9AFF
RGB	251, 154, 255
RGB Percent	98%, 60%, 100%
CMY	0.0158, 0.3960, 0.0002
CMYK	0.02, 0.40, 0.00, 0.00
HSL	298°, 100%, 80%
HSV	298°, 40%, 100%
XYZ	69.3780, 50.8404, 100.7307
YIQ	194.5170, 25.3910, 51.9750

Conversions

Conversions Part 2

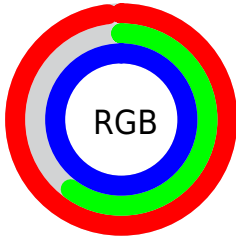
Format	Color
R _Y B	251, 154, 255
Decimal	16489215
CIE Lab	76.58, 51.13, -35.25
CIE LCh	77, 62.106, 325.414
Yxy	50.8404, 0.3140, 0.2301
Android (android.graphics.Color)	4294679295 (0xFFFB9AFF)
YUV	194.5170, 29.8181, 49.5356
Hunter-Lab	71.3025, 48.9031, -33.8487

Details

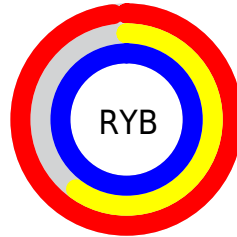
The Yxy color **50.8404, 0.3140, 0.2301** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.0991, 0.3092, 0.4503**, and the grayscale version is **54.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **24.5290, 0.3127, 0.2088** is the 20% darker color. If you saturate the color by 10%, you get **43.1135, 0.3140, 0.2075**, and if you desaturate by 10%, it is **60.3600, 0.3139, 0.2546**.

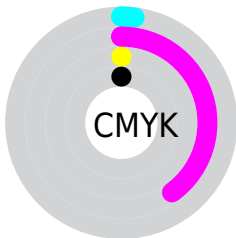
Distribution



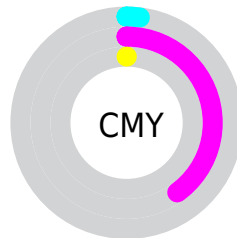
- Red (98%)
- Green (60%)
- Blue (100%)



- Red (98%)
- Yellow (60%)
- Blue (100%)



- Cyan (2%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8404, 0.3140, 0.2301 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 50.8404, 0.3140, 0.2301 by changing the saturation by 10% instead.

 50.8404, 0.3140,
0.2301

 50.8404, 0.3140,
0.2301


389.9434, 0.3149,
0.2743

 36.0816, 0.3134,
0.2205


 91.4188, 0.3146,
0.2451

 24.4972, 0.3125,
0.2088


 118.0072, 0.3148,
0.2510

 15.7029, 0.3111,
0.1945


149.3076, 0.3149,
0.2562

 9.3141, 0.3088,
0.1765

185.7044, 0.3149,
0.2607

 4.9467, 0.3048,
0.1534

227.5820, 0.3150,
0.2647

 2.2160, 0.2976,
0.1234

275.3248, 0.3150,

 0.7287, 0.2836,

0.2683

0.0830

329.3171, 0.3150,
0.2715

0.0000, 0.2614,
0.0000

0.0000, 0.0000,
0.0000

50.8404, 0.3140,
0.2301

50.8404, 0.3140,
0.2301

43.1135, 0.3140,
0.2075

60.3600, 0.3139,
0.2546

37.0584, 0.3137,
0.1877

71.7698, 0.3136,
0.2800

32.5502, 0.3133,
0.1716

85.1681, 0.3132,
0.3053

29.4433, 0.3127,
0.1598

99.9975, 0.3127,
0.3290

■ 27.5644, 0.3118,
0.1524

■ 26.6426, 0.3109,
0.1487

■ 26.6124, 0.3109,
0.1486

Harmonies

Analogous

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



50.8404, 0.2383, 0.2066



50.8404, 0.3140, 0.2301



50.8404, 0.4004, 0.2733

Triad

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



50.8404, 0.3140, 0.2301



50.8404, 0.4411, 0.4472



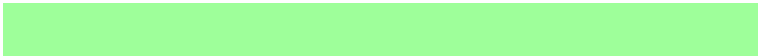
50.8404, 0.1810, 0.3000

Complementary

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



50.8404, 0.3140, 0.2301



81.0991, 0.3092, 0.4503

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.



50.8404, 0.2236, 0.3901



50.8404, 0.3140, 0.2301



50.8404, 0.3733, 0.4832

Square

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



50.8404, 0.3140, 0.2301



50.8404, 0.4773, 0.3895



50.8404, 0.2937, 0.4662



50.8404, 0.1704, 0.2366

Rectangle

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



50.8404, 0.3140, 0.2301



50.8404, 0.4475, 0.3096



50.8404, 0.2937, 0.4662



50.8404, 0.1916, 0.3283

Sweetspot

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



50.8426, 0.3140, 0.2301



81.7783, 0.3133, 0.2993



38.9114, 0.2400, 0.2132



17.1182, 0.3133, 0.2960



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.



50.8426, 0.3140, 0.2301



44.2413, 0.3140, 0.2109



49.0027, 0.3574, 0.2721



18.2617, 0.3132, 0.3055



13.9265, 0.3111, 0.1487



1.3669, 0.3122, 0.1494

Inverse Universe

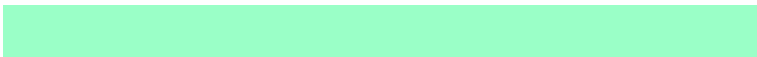
The Inverse Universe completely reimagines the original color for something new.



46.8413, 0.4092, 0.3251



39.7442, 0.4417, 0.3244



82.5121, 0.2843, 0.3947



17.9987, 0.3288, 0.3281



11.1253, 0.6361, 0.3278



1.0871, 0.6267, 0.3226

Previews

White Background



This preview shows how the Yxy color 50.8404, 0.3140, 0.2301 looks on a white background.

Color Contrast Check

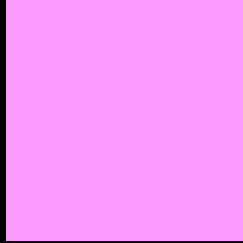
Large Text (above 18pt) WCAG AA × Fail

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 50.8404, 0.3140, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

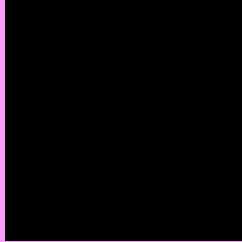
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8404, 0.3140, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 50.8404, 0.3140, 0.2301.



This preview shows how white text looks on a background with the Yxy color 50.8404, 0.3140, 0.2301.

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

50.8404, 0.3140, 0.2301

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0713, 0.2615, 0.2552



Tritanopia

50.8276, 0.3673, 0.3159

Trichromacy



Original Color

50.8404, 0.3140, 0.2301



Protanomaly

50.0221, 0.2734, 0.2402



Deuteranomaly

49.9336, 0.2789, 0.2436

Tritanomaly

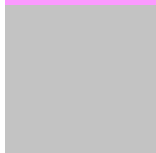
50.5668, 0.3473, 0.2812

Monochromacy



Original Color

50.8404, 0.3140, 0.2301



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.0993, 0.3130, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8404, 0.3140, 0.2301 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(251, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 154, 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(251, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.8404, 0.3140, 0.2301 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(251, 154, 255) }
```

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

```
.border{ border-color:rgb(251, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8404, 0.3140, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 154, 255) }
```

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

```
.background{ background-color: rgb(251,  
154, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor