

Converting Colors

$Y_{xy}(46.6837, 0.3204, 0.2295)$

Have a look what the booklet for
Yxy(46.6837, 0.3204, 0.2295)
contains.

Yxy(46.7389, 0.3209, 0.2302)	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(46.7389, 0.3209, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	F891F4
RGB	248, 145, 244
RGB Percent	97%, 57%, 96%
CMY	0.0275, 0.4313, 0.0433
CMYK	0.00, 0.42, 0.02, 0.03
HSL	302°, 88%, 77%
HSV	302°, 42%, 97%
XYZ	65.1543, 46.7389, 91.1429
YIQ	187.0830, 29.6090, 52.6250

Conversions

Conversions Part 2

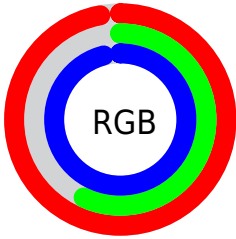
Format	Color
R _Y B	248, 145, 244
Decimal	16290292
CIE Lab	74.02, 52.84, -33.28
CIE LCh	74, 62.442, 327.797
Yxy	46.7389, 0.3209, 0.2302
Android (android.graphics.Color)	4294480372 (0xFFFF891F4)
YUV	187.0830, 28.0601, 53.4242
Hunter-Lab	68.3659, 50.4745, -31.1872

Details

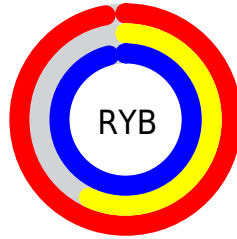
The Yxy color **46.7389, 0.3209, 0.2302** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.3139, 0.3047, 0.4529**, and the grayscale version is **49.5721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.0172, 0.3220, 0.2088** is the 20% darker color. If you saturate the color by 10%, you get **39.9114, 0.3230, 0.2092**, and if you desaturate by 10%, it is **55.2247, 0.3188, 0.2533**.

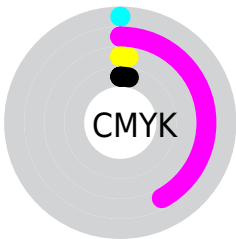
Distribution



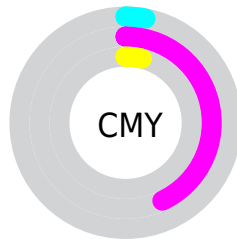
- Red (97%)
- Green (57%)
- Blue (96%)



- Red (97%)
- Yellow (57%)
- Blue (96%)



- Cyan (0%)
- Magenta (42%)
- Yellow (2%)
- Black (3%)




- Cyan (3%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7389, 0.3209, 0.2302 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 46.7389, 0.3209, 0.2302 by changing the saturation by 10% instead.


 46.7389, 0.3209,
0.2302


 46.7389, 0.3209,
0.2302


373.7714, 0.3185,
0.2750

 32.8293, 0.3211,
0.2203


 85.3238, 0.3204,
0.2455

 21.9957, 0.3211,
0.2082


 110.7678, 0.3201,
0.2515

 13.8537, 0.3209,
0.1933


140.8254, 0.3198,
0.2568

 8.0190, 0.3200,
0.1744

175.8810, 0.3195,
0.2613

 4.1071, 0.3179,
0.1500

216.3191, 0.3192,
0.2654

 1.7337, 0.3130,
0.1179

262.5238, 0.3190,

 0.4453, 0.3041,

0.2689

0.0661

314.8798, 0.3187,
0.2721

■ 0.0000, 0.2731,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7389, 0.3209,
0.2302

■ 46.7389, 0.3209,
0.2302

■ 39.9114, 0.3230,
0.2092

■ 55.2247, 0.3188,
0.2533

■ 34.6272, 0.3250,
0.1912

■ 65.4615, 0.3167,
0.2774


■ 30.7668, 0.3269,
0.1770

■ 77.5424, 0.3148,
0.3017


■ 28.1901, 0.3286,
0.1672


■ 91.5524, 0.3130,
0.3255


 26.7292, 0.3300,
0.1617

 98.2990, 0.3119,
0.3350

 26.1429, 0.3311,
0.1598

 98.3595, 0.3114,
0.3341

 98.4202, 0.3108,
0.3331

 98.4813, 0.3103,
0.3322

 98.5427, 0.3097,
0.3312

Harmonies

Analogous

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



46.7389, 0.2412, 0.2043



46.7389, 0.3209, 0.2302



46.7389, 0.4099, 0.2757

Triad

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



46.7389, 0.3209, 0.2302



46.7389, 0.4399, 0.4543



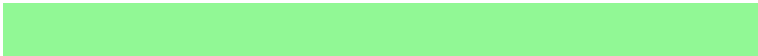
46.7389, 0.1751, 0.2921

Complementary

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



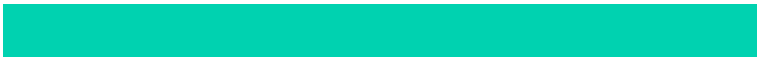
46.7389, 0.3209, 0.2302



75.3139, 0.3047, 0.4529

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.



46.7389, 0.2160, 0.3845



46.7389, 0.3209, 0.2302



46.7389, 0.3681, 0.4894

Square

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



46.7389, 0.3209, 0.2302



46.7389, 0.4810, 0.3954



46.7389, 0.2862, 0.4672



46.7389, 0.1670, 0.2300

Rectangle

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



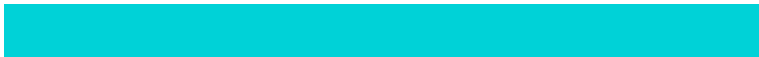
46.7389, 0.3209, 0.2302



46.7389, 0.4566, 0.3133



46.7389, 0.2862, 0.4672



46.7389, 0.1850, 0.3206

Sweetspot

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



46.7410, 0.3209, 0.2302



81.9299, 0.3149, 0.3005



33.3744, 0.2373, 0.2012



17.1542, 0.3151, 0.2973



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.



46.7410, 0.3209, 0.2302



43.4720, 0.3227, 0.2121



44.0652, 0.3690, 0.2781



17.5122, 0.3144, 0.3065



14.1306, 0.3309, 0.1597



1.3123, 0.3296, 0.1590

Inverse Universe

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



46.7410, 0.3209, 0.2302



43.4720, 0.3227, 0.2121



77.3096, 0.2789, 0.3874



17.5122, 0.3144, 0.3065



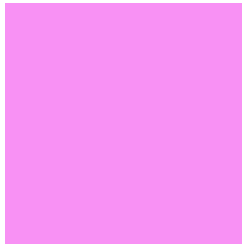
14.1306, 0.3309, 0.1597



1.3123, 0.3296, 0.1590

Previews

White Background



This preview shows how the Yxy color 46.7389, 0.3209, 0.2302 looks on a white background.

Color Contrast Check

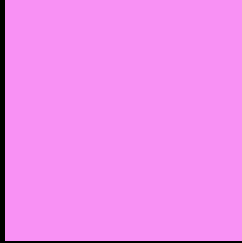
Large Text (above 18pt) WCAG AA × Fail

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 46.7389, 0.3209, 0.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

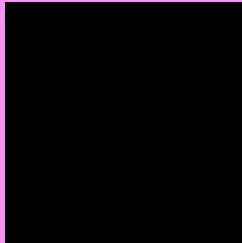
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7389, 0.3209, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 46.7389, 0.3209, 0.2302.



This preview shows how white text looks on a background with the Yxy color 46.7389, 0.3209, 0.2302.

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

46.7389, 0.3209, 0.2302

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

46.9593, 0.2637, 0.2573



Tritanopia

46.5095, 0.3769, 0.3147

Trichromacy



Original Color

46.7389, 0.3209, 0.2302



Protanomaly

45.6788, 0.2694, 0.2334



Deuteranomaly

45.9345, 0.2821, 0.2453



Tritanomaly

46.4435, 0.3554, 0.2815

Monochromacy



Original Color

46.7389, 0.3209, 0.2302



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.6144, 0.3156, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7389, 0.3209, 0.2302 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(248, 145, 244)` looks like.

```
.text, #text, p{  
    color:rgb(248, 145, 244)  
}
```

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(248, 145, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 145, 244) }
```

Border

The CSS property to change the border of an element to Yxy 46.7389, 0.3209, 0.2302 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(248, 145, 244) }
```

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

```
.border{ border-color:rgb(248, 145, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 145, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 145, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 145, 244);  
box-shadow:4px 4px 4px 4px rgb(248, 145,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7389, 0.3209, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 145, 244) }
```

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

```
.background{ background-color: rgb(248,  
145, 244) }
```

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