

Converting Colors

$Y_{xy}(45.8302, 0.3234, 0.2207)$

Have a look what the booklet for
Yxy(45.8302, 0.3234, 0.2207)
contains.

Yxy(45.9909, 0.3231, 0.2209)	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(45.9909, 0.3231, 0.2209)

Conversions

Conversions Part 1

Format	Color
Hex	FF89F9
RGB	255, 137, 249
RGB Percent	100%, 54%, 98%
CMY	0.0002, 0.4626, 0.0236
CMYK	0.00, 0.46, 0.02, 0.00
HSL	303°, 100%, 77%
HSV	303°, 46%, 100%
XYZ	67.2687, 45.9909, 94.9382
YIQ	185.0500, 34.3760, 59.8480

Conversions

Conversions Part 2

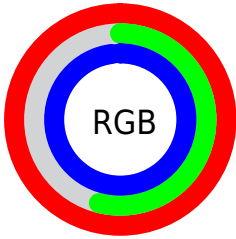
Format	Color
RYB	255, 137, 249
Decimal	16747001
CIELab	73.54, 59.64, -36.69
CIELCh	74, 70.019, 328.399
Yxy	45.9909, 0.3231, 0.2209
Android (android.graphics.Color)	4294937081 (0xFFFF89F9)
YUV	185.0500, 31.5274, 61.3462
Hunter-Lab	67.8166, 58.3789, -35.5300

Details

The Yxy color **45.9909, 0.3231, 0.2209** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.7953, 0.3031, 0.4681**, and the grayscale version is **48.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **21.5761, 0.3237, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **39.4979, 0.3255, 0.2013**, and if you desaturate by 10%, it is **54.2010, 0.3207, 0.2430**.

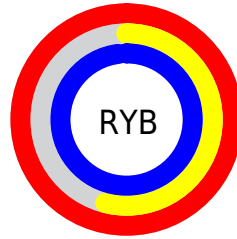
Distribution



Red (100%)

Green (54%)

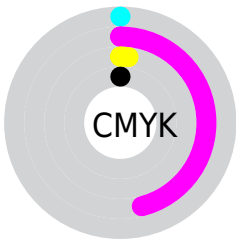
Blue (98%)



Red (100%)

Yellow (54%)

Blue (98%)

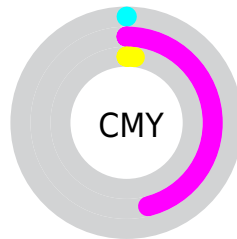


Cyan (0%)

Magenta (46%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9909, 0.3231, 0.2209 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 45.9909, 0.3231, 0.2209 by changing the saturation by 10% instead.


 45.9909, 0.3231,
0.2209

 45.9909, 0.3231,
0.2209


370.7721, 0.3200,
0.2694

 32.2386, 0.3234,
0.2103


 84.2054, 0.3224,
0.2374

 21.5438, 0.3235,
0.1975


 109.4364, 0.3220,
0.2439

 13.5221, 0.3233,
0.1817


 139.2624, 0.3216,
0.2496

 7.7890, 0.3225,
0.1620

174.0679, 0.3212,
0.2545

 3.9603, 0.3202,
0.1370

214.2372, 0.3209,
0.2589

 1.6514, 0.3150,
0.1047

260.1548, 0.3206,

 0.3919, 0.3059,

0.2628

0.0530

312.2049, 0.3203,
0.2663

0.0000, 0.2754,
0.0000

0.0000, 0.0000,
0.0000

45.9909, 0.3231,
0.2209

45.9909, 0.3231,
0.2209

39.4979, 0.3255,
0.2013

54.2010, 0.3207,
0.2430

34.5933, 0.3279,
0.1852

64.2325, 0.3183,
0.2665

31.1406, 0.3301,
0.1731

76.1886, 0.3160,
0.2906

28.9772, 0.3320,
0.1655

90.1633, 0.3139,
0.3145

■ 27.9011, 0.3337,
0.1621

99.9910, 0.3127,
0.3290

■ 27.6643, 0.3343,
0.1615

Harmonies

Analogous

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



45.9909, 0.2343, 0.1923



45.9909, 0.3231, 0.2209



45.9909, 0.4238, 0.2704

Triad

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



45.9909, 0.3231, 0.2209



45.9909, 0.4503, 0.4667



45.9909, 0.1603, 0.2840

Complementary

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



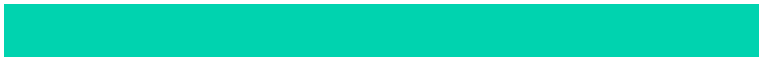
45.9909, 0.3231, 0.2209



78.7953, 0.3031, 0.4681

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.



45.9909, 0.2030, 0.3892



45.9909, 0.3231, 0.2209



45.9909, 0.3697, 0.5098

Square

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



45.9909, 0.3231, 0.2209



45.9909, 0.4993, 0.4000



45.9909, 0.2793, 0.4862



45.9909, 0.1529, 0.2171

Rectangle

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



45.9909, 0.3231, 0.2209



45.9909, 0.4760, 0.3110



45.9909, 0.2793, 0.4862



45.9909, 0.1703, 0.3159

Sweetspot

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



45.9930, 0.3231, 0.2209



79.1838, 0.3155, 0.2960



30.9547, 0.2283, 0.1845



16.3393, 0.3160, 0.2908



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.



45.9930, 0.3231, 0.2209



40.2355, 0.3252, 0.2036



42.8768, 0.3806, 0.2744



18.2835, 0.3146, 0.3068



14.4682, 0.3340, 0.1614



1.4134, 0.3324, 0.1605

Inverse Universe

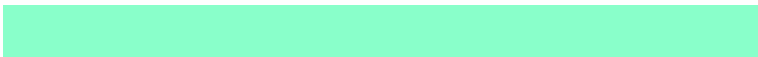
The Inverse Universe completely reimagines the original color for something new.



45.9930, 0.3231, 0.2209



40.2355, 0.3252, 0.2036



81.0709, 0.2750, 0.3931



18.2835, 0.3146, 0.3068



14.4682, 0.3340, 0.1614



1.4134, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 45.9909, 0.3231, 0.2209 looks on a white background.

Color Contrast Check

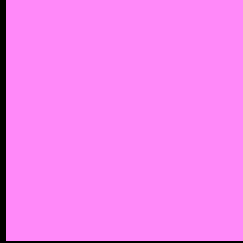
Large Text (above 18pt) WCAG AA × Fail

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 45.9909, 0.3231, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

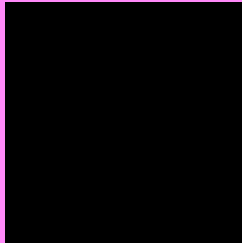
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9909, 0.3231, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 45.9909, 0.3231, 0.2209.



This preview shows how white text looks on a background with the Yxy color 45.9909, 0.3231, 0.2209.

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

45.9909, 0.3231, 0.2209

Protanopia

46.5281, 0.2449, 0.2380

Deuteranopia

46.2509, 0.2578, 0.2512



Tritanopia

45.9794, 0.3899, 0.3172

Trichromacy



Original Color

45.9909, 0.3231, 0.2209



Protanomaly

44.8492, 0.2686, 0.2284



Deuteranomaly

44.7927, 0.2784, 0.2359



Tritanomaly

45.6658, 0.3651, 0.2784

Monochromacy



Original Color

45.9909, 0.3231, 0.2209



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.2610, 0.3167, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9909, 0.3231, 0.2209 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, 137, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 249)  
}
```

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, 137, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.9909, 0.3231, 0.2209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

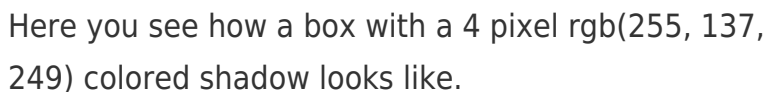
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 137, 249) }
```

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

```
.border{ border-color:rgb(255, 137, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 137, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 249); box-shadow:4px 4px 4px 4px rgb(255, 137, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9909, 0.3231, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 249) }
```

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

```
.background{ background-color: rgb(255,  
137, 249) }
```

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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