

Converting Colors

$Y_{xy}(44.9169, 0.3213, 0.2152)$

Have a look what the booklet for
Yxy(44.9169, 0.3213, 0.2152)
contains.

Yxy(45.0001, 0.3216, 0.2159)	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(45.0001, 0.3216, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	FF85FB
RGB	255, 133, 251
RGB Percent	100%, 52%, 98%
CMY	0.0001, 0.4783, 0.0158
CMYK	0.00, 0.48, 0.02, 0.00
HSL	302°, 100%, 76%
HSV	302°, 48%, 100%
XYZ	67.0312, 45.0001, 96.3990
YIQ	182.9300, 34.8340, 62.5620

Conversions

Conversions Part 2

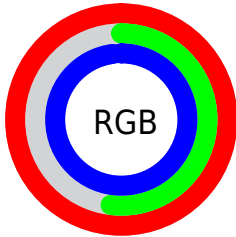
Format	Color
R _Y B	255, 133, 251
Decimal	16745979
CIE Lab	72.89, 61.90, -38.78
CIE LCh	73, 73.048, 327.933
Yxy	45.0001, 0.3216, 0.2159
Android (android.graphics.Color)	4294936059 (0xFFFF85FB)
YUV	182.9300, 33.5585, 63.2054
Hunter-Lab	67.0821, 60.9708, -38.2440

Details

The Yxy color **45.0001, 0.3216, 0.2159** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.3033, 0.3038, 0.4763**, and the grayscale version is **47.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **20.9386, 0.3216, 0.1915** is the 20% darker color. If you saturate the color by 10%, you get **38.7930, 0.3235, 0.1966**, and if you desaturate by 10%, it is **52.9058, 0.3196, 0.2379**.

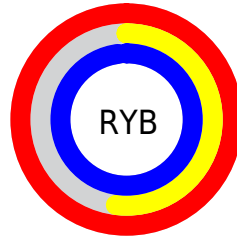
Distribution



Red (100%)

Green (52%)

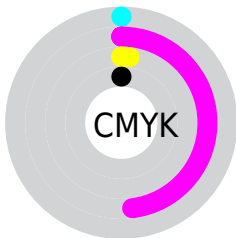
Blue (98%)



Red (100%)

Yellow (52%)

Blue (98%)

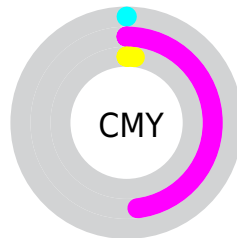


Cyan (0%)

Magenta (48%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0001, 0.3216, 0.2159 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 45.0001, 0.3216, 0.2159 by changing the saturation by 10% instead.


 45.0001, 0.3216,
0.2159

 45.0001, 0.3216,
0.2159

366.7740, 0.3194,
0.2666


 31.4575, 0.3216,
0.2049


 82.7206, 0.3212,
0.2331

 20.9475, 0.3214,
0.1916


 107.6672, 0.3210,
0.2398

 13.0856, 0.3207,
0.1754


 137.1840, 0.3207,
0.2458

 7.4875, 0.3192,
0.1551

171.6554, 0.3204,
0.2509

 3.7688, 0.3160,
0.1295

211.4656, 0.3201,
0.2555

 1.5451, 0.3092,
0.0969

256.9992, 0.3199,

 0.3202, 0.2984,

0.2596

0.0427

308.6405, 0.3196,
0.2633

0.0000, 0.2614,
0.0000

0.0000, 0.0000,
0.0000

45.0001, 0.3216,
0.2159

45.0001, 0.3216,
0.2159

38.7930, 0.3235,
0.1966

52.9058, 0.3196,
0.2379

34.1538, 0.3252,
0.1809

62.6163, 0.3177,
0.2616

30.9427, 0.3268,
0.1694

74.2361, 0.3158,
0.2860

28.9922, 0.3281,
0.1623

87.8603, 0.3140,
0.3104

■ 28.0789, 0.3292,
0.1593

99.9963, 0.3127,
0.3290

■ 27.9475, 0.3295,
0.1589

Harmonies

Analogous

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



45.0001, 0.2295, 0.1868



45.0001, 0.3216, 0.2159



45.0001, 0.4277, 0.2667

Triad

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



45.0001, 0.3216, 0.2159



45.0001, 0.4562, 0.4702



45.0001, 0.1544, 0.2825

Complementary

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



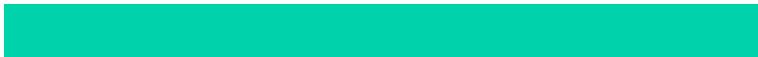
45.0001, 0.3216, 0.2159



78.3033, 0.3038, 0.4763

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.



45.0001, 0.1987, 0.3940



45.0001, 0.3216, 0.2159



45.0001, 0.3721, 0.5184

Square

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



45.0001, 0.3216, 0.2159



45.0001, 0.5077, 0.4000



45.0001, 0.2782, 0.4965



45.0001, 0.1467, 0.2126

Rectangle

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



45.0001, 0.3216, 0.2159



45.0001, 0.4832, 0.3083



45.0001, 0.2782, 0.4965



45.0001, 0.1648, 0.3161

Sweetspot

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



45.0021, 0.3216, 0.2159



79.2244, 0.3151, 0.2954



29.1569, 0.2223, 0.1779



16.3493, 0.3155, 0.2901



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.



45.0021, 0.3216, 0.2159



39.2529, 0.3233, 0.1981



41.8431, 0.3796, 0.2686



18.2895, 0.3143, 0.3063



14.6103, 0.3293, 0.1588



1.4257, 0.3283, 0.1582

Inverse Universe

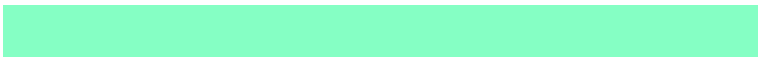
The Inverse Universe completely reimagines the original color for something new.



45.0021, 0.3216, 0.2159



39.2529, 0.3233, 0.1981



80.4834, 0.2760, 0.4009



18.2895, 0.3143, 0.3063



14.6103, 0.3293, 0.1588



1.4257, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 45.0001, 0.3216, 0.2159 looks on a white background.

Color Contrast Check

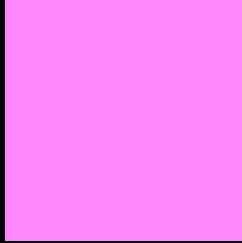
Large Text (above 18pt) WCAG AA × Fail

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 45.0001, 0.3216, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

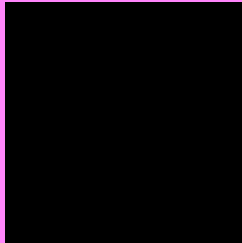
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0001, 0.3216, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 45.0001, 0.3216, 0.2159.



This preview shows how white text looks on a background with the Yxy color 45.0001, 0.3216, 0.2159.

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

45.0001, 0.3216, 0.2159

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.3889, 0.2537, 0.2482



Tritanopia

44.7322, 0.3921, 0.3161

Trichromacy



Original Color

45.0001, 0.3216, 0.2159



Protanomaly

43.5926, 0.2661, 0.2237



Deuteranomaly

43.7457, 0.2752, 0.2320



Tritanomaly

44.4997, 0.3658, 0.2761

Monochromacy



Original Color

45.0001, 0.3216, 0.2159



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.0196, 0.3160, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0001, 0.3216, 0.2159 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, 133, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 251)  
}
```

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, 133, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 251) }
```

Border

The CSS property to change the border of an element to Yxy 45.0001, 0.3216, 0.2159 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, 133, 251) }
```

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

```
.border{ border-color:rgb(255, 133, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0001, 0.3216, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 251) }
```

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

```
.background{ background-color: rgb(255,  
133, 251) }
```

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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