

Converting Colors

$Yxy(46.4092, 0.3288, 0.2191)$

Have a look what the booklet for
Yxy(46.4092, 0.3288, 0.2191)
contains.

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Color

Yxy(44.9372, 0.3225, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	FF85FA
RGB	255, 133, 250
RGB Percent	100%, 52%, 98%
CMY	0.0000, 0.4784, 0.0198
CMYK	0.00, 0.48, 0.02, 0.00
HSL	302°, 100%, 76%
HSV	302°, 48%, 100%
XYZ	66.8770, 44.9372, 95.5564
YIQ	182.8160, 35.1550, 62.2510

Conversions

Conversions Part 2

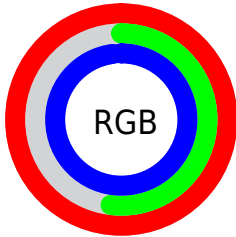
Format	Color
R _{YB}	255, 133, 250
Decimal	16745978
CIE _{Lab}	72.85, 61.74, -38.29
CIE _{LCh}	73, 72.650, 328.192
Yxy	44.9372, 0.3225, 0.2167
Android (android.graphics.Color)	4294936058 (0xFFFF85FA)
YUV	182.8160, 33.1217, 63.3054
Hunter-Lab	67.0352, 60.7671, -37.5912

Details

The Yxy color $44.9372, 0.3225, 0.2167$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $78.3445, 0.3033, 0.4750$, and the grayscale version is $47.0512, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.3069, 0.3157, 0.2653$, and $20.8938, 0.3228, 0.1924$ is the 20% darker color. If you saturate the color by 10%, you get $38.7171, 0.3246, 0.1975$, and if you desaturate by 10%, it is $52.8563, 0.3203, 0.2386$.

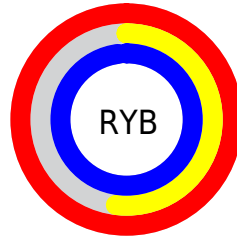
Distribution



Red (100%)

Green (52%)

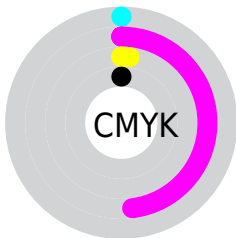
Blue (98%)



Red (100%)

Yellow (52%)

Blue (98%)

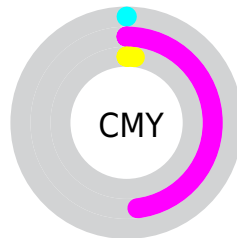


Cyan (0%)

Magenta (48%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9372, 0.3225, 0.2167 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 44.9372, 0.3225, 0.2167 by changing the saturation by 10% instead.


 44.9372, 0.3225,
0.2167

 44.9372, 0.3225,
0.2167


366.5192, 0.3198,
0.2671


 31.4080, 0.3226,
0.2057


 82.6262, 0.3219,
0.2338

 20.9097, 0.3226,
0.1925


 107.5547, 0.3216,
0.2405

 13.0580, 0.3221,
0.1763


 137.0518, 0.3213,
0.2464

 7.4685, 0.3208,
0.1561

171.5018, 0.3210,
0.2516

 3.7568, 0.3180,
0.1305

211.2891, 0.3207,
0.2561

 1.5385, 0.3116,
0.0978

256.7982, 0.3204,

 0.3156, 0.3017,

0.2602

0.0428

308.4134, 0.3201,
0.2638

0.0000, 0.2653,
0.0000

0.0000, 0.0000,
0.0000

44.9372, 0.3225,
0.2167

44.9372, 0.3225,
0.2167

38.7171, 0.3246,
0.1975

52.8563, 0.3203,
0.2386

34.0652, 0.3267,
0.1819

62.5805, 0.3181,
0.2621

30.8415, 0.3285,
0.1705

74.2146, 0.3161,
0.2864

28.8788, 0.3301,
0.1634

87.8533, 0.3141,
0.3105

■ 27.9533, 0.3315,
0.1605

99.9999, 0.3127,
0.3290

■ 27.8196, 0.3317,
0.1601

Harmonies

Analogous

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



44.9372, 0.2305, 0.1875



44.9372, 0.3225, 0.2167



44.9372, 0.4280, 0.2675

Triad

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



44.9372, 0.3225, 0.2167



44.9372, 0.4551, 0.4703



44.9372, 0.1548, 0.2820

Complementary

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



44.9372, 0.3225, 0.2167



78.3445, 0.3033, 0.4750

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.



44.9372, 0.1986, 0.3927



44.9372, 0.3225, 0.2167



44.9372, 0.3712, 0.5176

Square

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



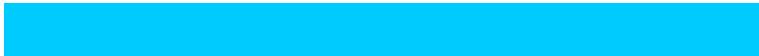
44.9372, 0.3225, 0.2167



44.9372, 0.5067, 0.4005



44.9372, 0.2776, 0.4950



44.9372, 0.1474, 0.2128

Rectangle

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



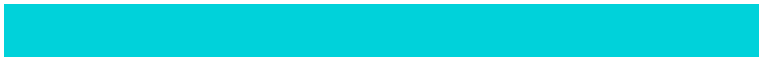
44.9372, 0.3225, 0.2167



44.9372, 0.4829, 0.3090



44.9372, 0.2776, 0.4950



44.9372, 0.1651, 0.3153

Sweetspot

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



44.9392, 0.3225, 0.2167



79.2050, 0.3153, 0.2957



29.3252, 0.2236, 0.1783



16.3446, 0.3157, 0.2904



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.



44.9392, 0.3225, 0.2167



39.1756, 0.3245, 0.1990



41.7549, 0.3818, 0.2706



18.2866, 0.3144, 0.3065



14.5421, 0.3316, 0.1600



1.4198, 0.3302, 0.1593

Inverse Universe

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



44.9392, 0.3225, 0.2167



39.1756, 0.3245, 0.1990



80.5884, 0.2750, 0.3983



18.2866, 0.3144, 0.3065



14.5421, 0.3316, 0.1600



1.4198, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 44.9372, 0.3225, 0.2167 looks on a white background.

Color Contrast Check

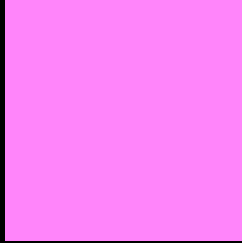
Large Text (above 18pt) WCAG AA × Fail

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 44.9372, 0.3225, 0.2167 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 44.9372, 0.3225, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 44.9372, 0.3225, 0.2167.



This preview shows how white text looks on a background with the Yxy color 44.9372, 0.3225, 0.2167.

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

44.9372, 0.3225, 0.2167

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.4322, 0.2549, 0.2493



Tritanopia

44.8753, 0.3941, 0.3172

Trichromacy



Original Color

44.9372, 0.3225, 0.2167



Protanomaly

43.5287, 0.2668, 0.2246



Deuteranomaly

43.6844, 0.2759, 0.2330



Tritanomaly

44.6376, 0.3678, 0.2773

Monochromacy



Original Color

44.9372, 0.3225, 0.2167



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

44.9706, 0.3168, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9372, 0.3225, 0.2167 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 250) }
```

Border

The CSS property to change the border of an element to Yxy 44.9372, 0.3225, 0.2167 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, 250) }
```

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

```
.border{ border-color:rgb(255, 133, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9372, 0.3225, 0.2167 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
133, 250) }
```

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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