

Converting Colors

$Yxy(44.0904, 0.3515, 0.2467)$

Have a look what the booklet for
Yxy(44.0904, 0.3515, 0.2467)
contains.

Yxy(44.2133, 0.3518, 0.2475)	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(44.2133, 0.3518, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	FF89DA
RGB	255, 137, 218
RGB Percent	100%, 54%, 85%
CMY	0.0000, 0.4628, 0.1449
CMYK	0.00, 0.46, 0.14, 0.00
HSL	319°, 100%, 77%
HSV	319°, 46%, 100%
XYZ	62.8454, 44.2133, 71.5809
YIQ	181.5160, 44.3270, 50.2070

Conversions

Conversions Part 2

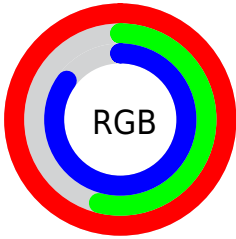
Format	Color
R _{YB}	255, 137, 218
Decimal	16746970
CIE Lab	72.37, 54.69, -21.54
CIE LCh	72, 58.774, 338.501
Yxy	44.2133, 0.3518, 0.2475
Android (android.graphics.Color)	4294937050 (0xFFFF89DA)
YUV	181.5160, 17.9866, 64.4455
Hunter-Lab	66.4931, 52.3450, -17.2815

Details

The Yxy color **44.2133, 0.3518, 0.2475** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.8924, 0.2884, 0.4290**, and the grayscale version is **46.3862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **20.4147, 0.3612, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **37.3939, 0.3638, 0.2320**, and if you desaturate by 10%, it is **52.7691, 0.3411, 0.2647**.

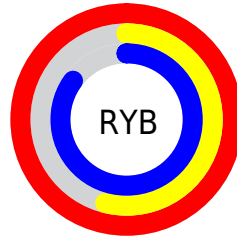
Distribution



Red (100%)

Green (54%)

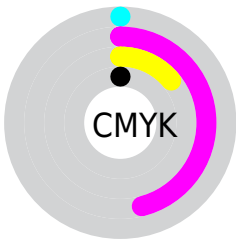
Blue (85%)



Red (100%)

Yellow (54%)

Blue (85%)

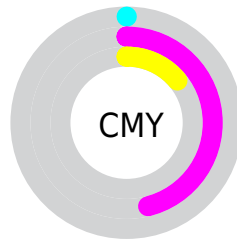


Cyan (0%)

Magenta (46%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2133, 0.3518, 0.2475 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 44.2133, 0.3518, 0.2475 by changing the saturation by 10% instead.

 44.2133, 0.3518,
0.2475


 44.2133, 0.3518,
0.2475


363.5780, 0.3335,
0.2855


 30.8382, 0.3560,
0.2388


 81.5386, 0.3454,
0.2607

 20.4757, 0.3612,
0.2280


 106.2576, 0.3430,
0.2659

 12.7413, 0.3677,
0.2145


 135.5268, 0.3408,
0.2703

 7.2506, 0.3762,
0.1968

169.7304, 0.3390,
0.2741

 3.6193, 0.3877,
0.1731

209.2530, 0.3374,
0.2775

 1.4630, 0.4038,
0.1402

254.4788, 0.3360,

 0.2625, 0.4409,

0.2805

0.0634

305.7924, 0.3347,
0.2832

0.0000, 0.4758,
0.0000

0.0000, 0.0000,
0.0000

44.2133, 0.3518,
0.2475

44.2133, 0.3518,
0.2475

37.3939, 0.3638,
0.2320

52.7691, 0.3411,
0.2647

32.1829, 0.3767,
0.2195

63.1670, 0.3316,
0.2828

28.4430, 0.3902,
0.2109

75.5103, 0.3235,
0.3008

26.0113, 0.4038,
0.2071

89.8932, 0.3165,
0.3184

■ 24.6851, 0.4171,
0.2085

100.0000, 0.3127,
0.3290

■ 24.3606, 0.4220,
0.2098

Harmonies

Analogous

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



44.2133, 0.2689, 0.2149



44.2133, 0.3518, 0.2475



44.2133, 0.4321, 0.2969

Triad

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



44.2133, 0.3518, 0.2475



44.2133, 0.4136, 0.4663



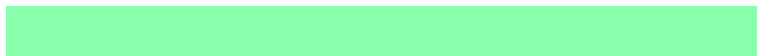
44.2133, 0.1735, 0.2686

Complementary

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



44.2133, 0.3518, 0.2475



79.8924, 0.2884, 0.4290

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.



44.2133, 0.2019, 0.3491



44.2133, 0.3518, 0.2475



44.2133, 0.3387, 0.4825

Square

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



44.2133, 0.3518, 0.2475



44.2133, 0.4656, 0.4153



44.2133, 0.2611, 0.4374



44.2133, 0.1762, 0.2207

Rectangle

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



44.2133, 0.3518, 0.2475



44.2133, 0.4666, 0.3352



44.2133, 0.2611, 0.4374



44.2133, 0.1794, 0.2923

Sweetspot

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



44.2150, 0.3518, 0.2475



78.6004, 0.3218, 0.3049



33.9265, 0.2493, 0.1918



16.1960, 0.3234, 0.3010



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.



44.2150, 0.3518, 0.2475



37.5595, 0.3634, 0.2324



41.7098, 0.4133, 0.3047



18.1978, 0.3186, 0.3128



12.7571, 0.4199, 0.2087



1.2619, 0.4057, 0.2009

Inverse Universe

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



44.2150, 0.3518, 0.2475



37.5595, 0.3634, 0.2324



82.6303, 0.2612, 0.3564



18.1978, 0.3186, 0.3128



12.7571, 0.4199, 0.2087



1.2619, 0.4057, 0.2009

Previews

White Background



This preview shows how the Yxy color 44.2133, 0.3518, 0.2475 looks on a white background.

Color Contrast Check

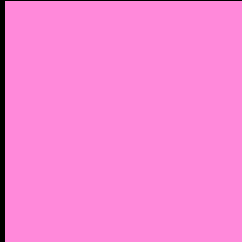
Large Text (above 18pt) WCAG AA × Fail

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 44.2133, 0.3518, 0.2475 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 44.2133, 0.3518, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 44.2133, 0.3518, 0.2475.

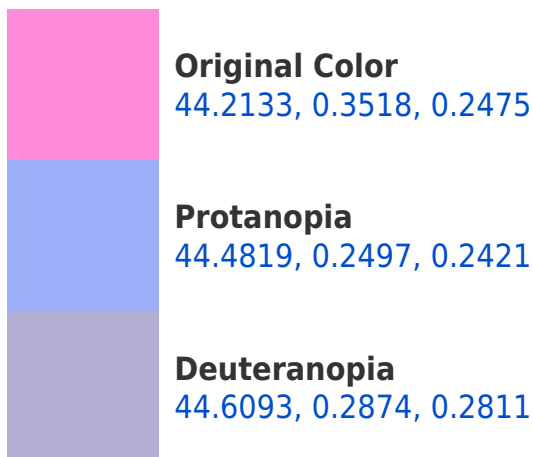


This preview shows how white text looks on a background with the Yxy color 44.2133, 0.3518, 0.2475.

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





Tritanopia

44.1727, 0.4036, 0.3174

Trichromacy



Original Color

44.2133, 0.3518, 0.2475



Protanomaly

42.8833, 0.2806, 0.2412



Deuteranomaly

43.6102, 0.3094, 0.2666



Tritanomaly

44.0962, 0.3845, 0.2911

Monochromacy



Original Color

44.2133, 0.3518, 0.2475



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.7679, 0.3271, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2133, 0.3518, 0.2475 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 218) }
```

Border

The CSS property to change the border of an element to Yxy 44.2133, 0.3518, 0.2475 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, 218) }
```

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

```
.border{ border-color:rgb(255, 137, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2133, 0.3518, 0.2475 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
137, 218) }
```

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