

Converting Colors

$Y_{xy}(46.4746, 0.4103, 0.2887)$

Have a look what the booklet for
Yxy(46.4746, 0.4103, 0.2887)
contains.

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Color

Yxy(42.4466, 0.3917, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	FF89B4
RGB	255, 137, 180
RGB Percent	100%, 54%, 71%
CMY	0.0000, 0.4627, 0.2942
CMYK	0.00, 0.46, 0.29, 0.00
HSL	338°, 100%, 77%
HSV	338°, 46%, 100%
XYZ	58.4200, 42.4466, 48.2782
YIQ	177.1840, 56.5250, 38.3890

Conversions

Conversions Part 2

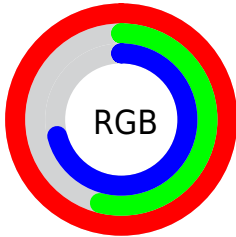
Format	Color
R _Y B	255, 137, 180
Decimal	16746932
CIE Lab	71.18, 49.35, -2.20
CIE LCh	71, 49.402, 357.445
Yxy	42.4466, 0.3917, 0.2846
Android (android.graphics.Color)	4294937012 (0xFFFF89B4)
YUV	177.1840, 1.3883, 68.2446
Hunter-Lab	65.1511, 46.0440, 1.6707

Details

The Yxy color $42.4466, 0.3917, 0.2846$ is a light color, and the websafe version is hex $FF99CC$. A complement of this color would be $81.5918, 0.2702, 0.3803$, and the grayscale version is $44.0398, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.4561, 0.3296, 0.2859$, and $19.4546, 0.4157, 0.2724$ is the 20% darker color. If you saturate the color by 10%, you get $35.4122, 0.4189, 0.2765$, and if you desaturate by 10%, it is $51.2753, 0.3684, 0.2941$.

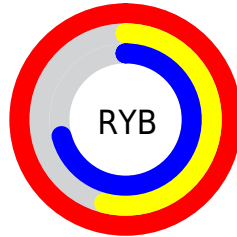
Distribution



Red (100%)

Green (54%)

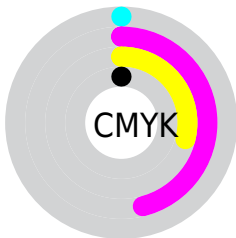
Blue (71%)



Red (100%)

Yellow (54%)

Blue (71%)

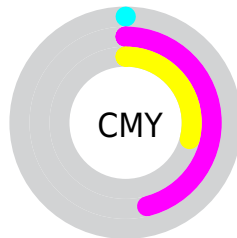


Cyan (0%)

Magenta (46%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4466, 0.3917, 0.2846 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 42.4466, 0.3917, 0.2846 by changing the saturation by 10% instead.


 42.4466, 0.3917,
0.2846

 42.4466, 0.3917,
0.2846

356.3309, 0.3519,
0.3068


 29.4512, 0.4017,
0.2791

 78.8751, 0.3772,
0.2927

 19.4224, 0.4146,
0.2720


 103.0769, 0.3717,
0.2957

 11.9759, 0.4317,
0.2627


 131.7830, 0.3671,
0.2982

 6.7272, 0.4556,
0.2498

165.3777, 0.3632,
0.3004

 3.2921, 0.4910,
0.2309

204.2455, 0.3598,
0.3023

 1.2861, 0.5481,
0.2009

248.7707, 0.3568,

 0.1304, 0.7702,

0.3040

0.0703

299.3377, 0.3542,
0.3055

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.4466, 0.3917,
0.2846

42.4466, 0.3917,
0.2846

35.4122, 0.4189,
0.2765

51.2753, 0.3684,
0.2941

30.0408, 0.4497,
0.2708

62.0051, 0.3489,
0.3040

26.1927, 0.4827,
0.2690

74.7419, 0.3329,
0.3139

23.7024, 0.5160,
0.2721

89.5819, 0.3197,
0.3234

■ 22.3645, 0.5466, 99.9990, 0.3127,
0.2804 0.3290

■ 22.0466, 0.5571,
0.2843

Harmonies

Analogous

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



42.4466, 0.3195, 0.2452



42.4466, 0.3917, 0.2846



42.4466, 0.4428, 0.3346

Triad

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



42.4466, 0.3917, 0.2846



42.4466, 0.3623, 0.4598



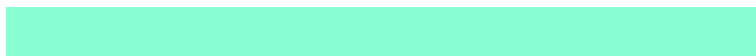
42.4466, 0.1892, 0.2481

Complementary

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



42.4466, 0.3917, 0.2846



81.5918, 0.2702, 0.3803

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.



42.4466, 0.1975, 0.3014



42.4466, 0.3917, 0.2846



42.4466, 0.2937, 0.4395

Square

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



42.4466, 0.3917, 0.2846



42.4466, 0.4211, 0.4353



42.4466, 0.2338, 0.3753



42.4466, 0.2082, 0.2229

Rectangle

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



42.4466, 0.3917, 0.2846



42.4466, 0.4543, 0.3702



42.4466, 0.2338, 0.3753



42.4466, 0.1889, 0.2628

Sweetspot

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



42.4487, 0.3917, 0.2846



77.9229, 0.3296, 0.3161



39.0730, 0.2810, 0.2030



16.0310, 0.3327, 0.3140



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.



42.4487, 0.3917, 0.2846



35.5799, 0.4181, 0.2767



45.7649, 0.4314, 0.3457



18.0964, 0.3237, 0.3204



11.5464, 0.5528, 0.2819



1.1443, 0.5216, 0.2647

Inverse Universe

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



42.4487, 0.3917, 0.2846



35.5799, 0.4181, 0.2767



74.4271, 0.2476, 0.3107



18.0964, 0.3237, 0.3204



11.5464, 0.5528, 0.2819



1.1443, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 42.4466, 0.3917, 0.2846 looks on a white background.

Color Contrast Check

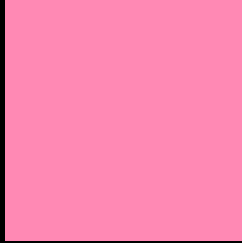
Large Text (above 18pt) WCAG AA × Fail

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 42.4466, 0.3917, 0.2846 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 42.4466, 0.3917, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 42.4466, 0.3917, 0.2846.

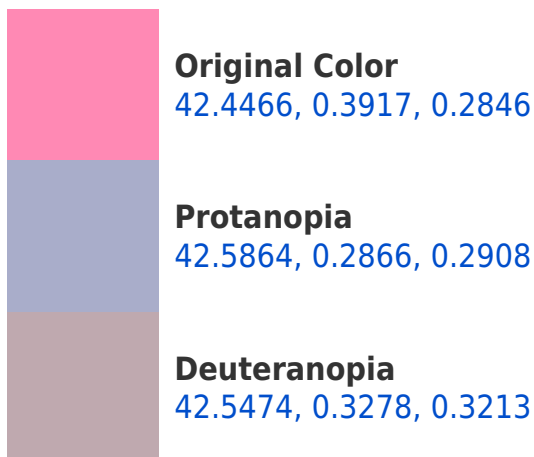


This preview shows how white text looks on a background with the Yxy color 42.4466, 0.3917, 0.2846.

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

42.3084, 0.4180, 0.3187

Trichromacy



Original Color

42.4466, 0.3917, 0.2846



Protanomaly

41.3160, 0.3203, 0.2869



Deuteranomaly

41.5844, 0.3498, 0.3048



Tritanomaly

42.2474, 0.4087, 0.3061

Monochromacy



Original Color

42.4466, 0.3917, 0.2846



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.0341, 0.3393, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4466, 0.3917, 0.2846 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.4466, 0.3917, 0.2846 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, 180) }
```

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

```
.border{ border-color:rgb(255, 137, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4466, 0.3917, 0.2846 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
137, 180) }
```

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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