

Converting Colors

$Y_{xy}(42.8807, 0.4028, 0.2990)$

Have a look what the booklet for
Yxy(42.8807, 0.4028, 0.2990)
contains.

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Color

Yxy(42.8807, 0.4028, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CA9
RGB	255, 140, 169
RGB Percent	100%, 55%, 66%
CMY	0.0002, 0.4508, 0.3373
CMYK	0.00, 0.45, 0.34, 0.00
HSL	345°, 100%, 77%
HSV	345°, 45%, 100%
XYZ	57.7670, 42.8807, 42.7660
YIQ	177.6910, 59.2310, 33.3990

Conversions

Conversions Part 2

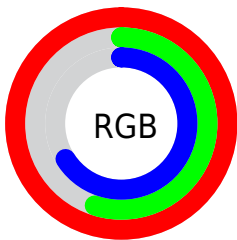
Format	Color
R _Y B	255, 140, 169
Decimal	16747689
CIE _{Lab}	71.47, 46.49, 4.35
CIE _{LCh}	71, 46.690, 5.345
Yxy	42.8807, 0.4028, 0.2990
Android (android.graphics.Color)	4294937769 (0xFFFF8CA9)
YUV	177.6910, -4.2847, 67.8000
Hunter-Lab	65.4834, 42.8704, 7.1171

Details

The Yxy color **42.8807, 0.4028, 0.2990** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.5612, 0.2650, 0.3628**, and the grayscale version is **44.3521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1217, 0.3385, 0.3007**, and **19.7028, 0.4288, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **35.6082, 0.4352, 0.2935**, and if you desaturate by 10%, it is **51.9879, 0.3754, 0.3056**.

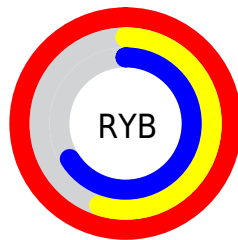
Distribution



Red (100%)

Green (55%)

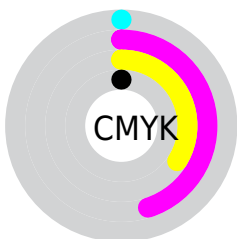
Blue (66%)



Red (100%)

Yellow (55%)

Blue (66%)

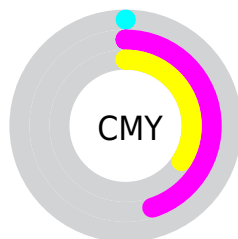


Cyan (0%)

Magenta (45%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8807, 0.4028, 0.2990 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 42.8807, 0.4028, 0.2990 by changing the saturation by 10% instead.


 42.8807, 0.4028,
0.2990


 42.8807, 0.4028,
0.2990


358.1209, 0.3570,
0.3147


 29.7915, 0.4144,
0.2949


 79.5308, 0.3860,
0.3049

 19.6804, 0.4293,
0.2895


 103.8605, 0.3798,
0.3070

 12.1629, 0.4493,
0.2822


 132.7059, 0.3745,
0.3088

 6.8547, 0.4772,
0.2717

166.4512, 0.3700,
0.3104

 3.3714, 0.5187,
0.2555

205.4810, 0.3661,
0.3117

 1.3286, 0.5857,
0.2282

250.1797, 0.3627,

 0.1632, 0.8939,

0.3128

0.1061

300.9315, 0.3597,
0.3138

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8807, 0.4028,
0.2990

■ 42.8807, 0.4028,
0.2990

■ 35.6082, 0.4352,
0.2935

■ 51.9879, 0.3754,
0.3056

■ 30.0387, 0.4720,
0.2900

■ 63.0369, 0.3527,
0.3125

■ 26.0329, 0.5114,
0.2897

■ 76.1342, 0.3342,
0.3194

■ 23.4265, 0.5498,
0.2935

■ 91.3766, 0.3192,
0.3259

■ 22.0179, 0.5832,
0.3015

99.9916, 0.3127,
0.3290

■ 21.6246, 0.5969,
0.3062

Harmonies

Analogous

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



42.8807, 0.3376, 0.2580



42.8807, 0.4028, 0.2990



42.8807, 0.4419, 0.3483

Triad

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



42.8807, 0.4028, 0.2990



42.8807, 0.3433, 0.4514



42.8807, 0.1977, 0.2438

Complementary

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



42.8807, 0.4028, 0.2990



82.5612, 0.2650, 0.3628

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.



42.8807, 0.1987, 0.2877



42.8807, 0.4028, 0.2990



42.8807, 0.2787, 0.4196

Square

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



42.8807, 0.4028, 0.2990



42.8807, 0.4029, 0.4389



42.8807, 0.2266, 0.3538



42.8807, 0.2225, 0.2262

Rectangle

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



42.8807, 0.4028, 0.2990



42.8807, 0.4455, 0.3822



42.8807, 0.2266, 0.3538



42.8807, 0.1951, 0.2555

Sweetspot

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



42.8828, 0.4028, 0.2990



77.6976, 0.3324, 0.3201



41.8809, 0.2917, 0.2097



15.9766, 0.3360, 0.3186



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.



42.8828, 0.4028, 0.2990



36.3196, 0.4315, 0.2940



50.7290, 0.4209, 0.3574



18.0622, 0.3254, 0.3230



11.3238, 0.5929, 0.3040



1.1192, 0.5614, 0.2866

Inverse Universe

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



42.8828, 0.4028, 0.2990



36.3196, 0.4315, 0.2940



68.3603, 0.2465, 0.2975



18.0622, 0.3254, 0.3230



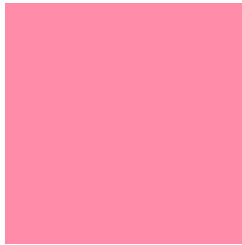
11.3238, 0.5929, 0.3040



1.1192, 0.5614, 0.2866

Previews

White Background



This preview shows how the Yxy color 42.8807, 0.4028, 0.2990 looks on a white background.

Color Contrast Check

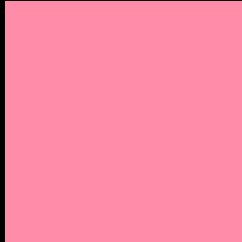
Large Text (above 18pt) WCAG AA × Fail

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 42.8807, 0.4028, 0.2990 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 42.8807, 0.4028, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 42.8807, 0.4028, 0.2990.



This preview shows how white text looks on a background with the Yxy color 42.8807, 0.4028, 0.2990.

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

42.8807, 0.4028, 0.2990

Protanopia

43.0602, 0.3015, 0.3091

Deuteranopia

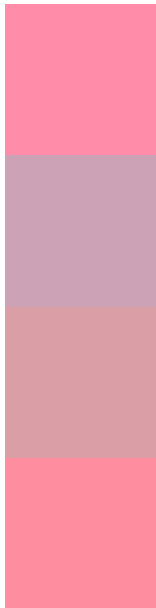
42.9266, 0.3433, 0.3355



Tritanopia

43.0157, 0.4183, 0.3188

Trichromacy



Original Color

42.8807, 0.4028, 0.2990

Protanomaly

42.0554, 0.3346, 0.3042

Deuteranomaly

42.1123, 0.3643, 0.3195

Tritanomaly

42.9200, 0.4122, 0.3114

Monochromacy



Original Color

42.8807, 0.4028, 0.2990

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

42.7679, 0.3427, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8807, 0.4028, 0.2990 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, 140, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 169)  
}
```

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, 140, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.8807, 0.4028, 0.2990 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, 140, 169) }
```

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

```
.border{ border-color:rgb(255, 140, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8807, 0.4028, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 169) }
```

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

```
.background{ background-color: rgb(255,  
140, 169) }
```

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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