

Converting Colors

$Y_{xy}(41.8999, 0.4062, 0.2983)$

Have a look what the booklet for
Yxy(41.8999, 0.4062, 0.2983)
contains.

Yxy(41.9413, 0.4061, 0.2980)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9413, 0.4061, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	FF89A7
RGB	255, 137, 167
RGB Percent	100%, 54%, 65%
CMY	0.0001, 0.4627, 0.3451
CMYK	0.00, 0.46, 0.35, 0.00
HSL	345°, 100%, 77%
HSV	345°, 46%, 100%
XYZ	57.1556, 41.9413, 41.6457
YIQ	175.7020, 60.6980, 34.3460

Conversions

Conversions Part 2

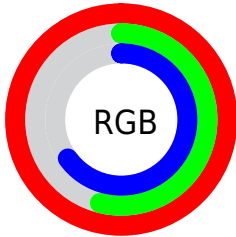
Format	Color
R_{YB}	255, 137, 167
Decimal	16746919
CIE _{Lab}	70.83, 47.76, 4.53
CIE _{LCh}	71, 47.975, 5.418
Yxy	41.9413, 0.4061, 0.2980
Android (android.graphics.Color)	4294936999 (0xFFFF89A7)
YUV	175.7020, -4.2901, 69.5443
Hunter-Lab	64.7621, 44.2009, 7.2066

Details

The Yxy color **41.9413, 0.4061, 0.2980** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.2627, 0.2641, 0.3642**, and the grayscale version is **43.2546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6739, 0.3404, 0.2996**, and **19.0264, 0.4341, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **34.8771, 0.4390, 0.2926**, and if you desaturate by 10%, it is **50.8258, 0.3782, 0.3046**.

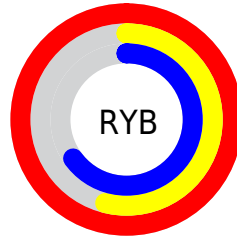
Distribution



Red (100%)

Green (54%)

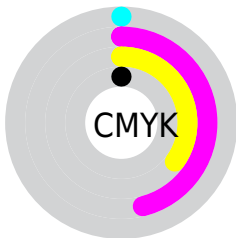
Blue (65%)



Red (100%)

Yellow (54%)

Blue (65%)

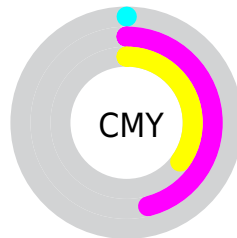


Cyan (0%)

Magenta (46%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9413, 0.4061, 0.2980 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 41.9413, 0.4061, 0.2980 by changing the saturation by 10% instead.


 41.9413, 0.4061,
0.2980


 41.9413, 0.4061,
0.2980


354.2395, 0.3585,
0.3143


 29.0553, 0.4182,
0.2937


 78.1108, 0.3886,
0.3041

 19.1227, 0.4338,
0.2881


 102.1631, 0.3821,
0.3063

 11.7590, 0.4547,
0.2804


 130.7063, 0.3766,
0.3082

 6.5798, 0.4841,
0.2693

164.1248, 0.3719,
0.3098

 3.2007, 0.5278,
0.2522

202.8029, 0.3679,
0.3112

 1.2374, 0.5984,
0.2232

247.1252, 0.3644,

 0.0919, 0.9351,

0.3124

0.0649

297.4759, 0.3612,
0.3134

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.9413, 0.4061,
0.2980

41.9413, 0.4061,
0.2980

34.8771, 0.4390,
0.2926

50.8258, 0.3782,
0.3046

29.4999, 0.4761,
0.2894

61.6390, 0.3550,
0.3115

25.6681, 0.5154,
0.2896

74.4883, 0.3361,
0.3185

23.2142, 0.5534,
0.2939

89.4713, 0.3208,
0.3251

■ 21.9299, 0.5859,
0.3023

99.9961, 0.3127,
0.3290

■ 21.6357, 0.5963,
0.3058

Harmonies

Analogous

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



41.9413, 0.3386, 0.2559



41.9413, 0.4061, 0.2980



41.9413, 0.4464, 0.3486

Triad

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



41.9413, 0.4061, 0.2980



41.9413, 0.3438, 0.4560



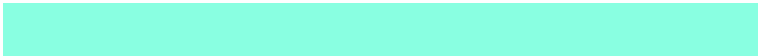
41.9413, 0.1942, 0.2409

Complementary

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



41.9413, 0.4061, 0.2980



82.2627, 0.2641, 0.3642

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.



41.9413, 0.1952, 0.2859



41.9413, 0.4061, 0.2980



41.9413, 0.2772, 0.4230

Square

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



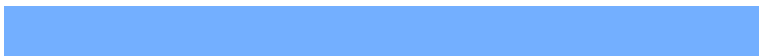
41.9413, 0.4061, 0.2980



41.9413, 0.4054, 0.4424



41.9413, 0.2236, 0.3544



41.9413, 0.2198, 0.2230

Rectangle

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



41.9413, 0.4061, 0.2980



41.9413, 0.4500, 0.3835



41.9413, 0.2236, 0.3544



41.9413, 0.1916, 0.2528

Sweetspot

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



41.9434, 0.4061, 0.2980



77.7020, 0.3324, 0.3200



40.8869, 0.2910, 0.2066



15.9776, 0.3359, 0.3185



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.



41.9434, 0.4061, 0.2980



35.0466, 0.4381, 0.2928



49.8088, 0.4250, 0.3581



18.0628, 0.3254, 0.3230



11.3274, 0.5922, 0.3036



1.1197, 0.5607, 0.2862

Inverse Universe

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



41.9434, 0.4061, 0.2980



35.0466, 0.4381, 0.2928



67.7264, 0.2450, 0.2965



18.0628, 0.3254, 0.3230



11.3274, 0.5922, 0.3036



1.1197, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 41.9413, 0.4061, 0.2980 looks on a white background.

Color Contrast Check

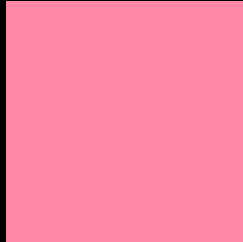
Large Text (above 18pt) WCAG AA × Fail

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 41.9413, 0.4061, 0.2980 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 41.9413, 0.4061, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 41.9413, 0.4061, 0.2980.



This preview shows how white text looks on a background with the Yxy color 41.9413, 0.4061, 0.2980.

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

41.9413, 0.4061, 0.2980

Protanopia

42.4022, 0.3006, 0.3090

Deuteranopia

42.2160, 0.3434, 0.3369



Tritanopia

42.0290, 0.4230, 0.3189

Trichromacy



Original Color

41.9413, 0.4061, 0.2980



Protanomaly

41.1334, 0.3358, 0.3040



Deuteranomaly

41.5460, 0.3656, 0.3207



Tritanomaly

41.9364, 0.4167, 0.3115

Monochromacy



Original Color

41.9413, 0.4061, 0.2980



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.8369, 0.3440, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9413, 0.4061, 0.2980 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 167) }
```

Border

The CSS property to change the border of an element to Yxy 41.9413, 0.4061, 0.2980 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, 167) }
```

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

```
.border{ border-color:rgb(255, 137, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9413, 0.4061, 0.2980 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
137, 167) }
```

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