

Converting Colors

$Y_{xy}(41.3212, 0.4098, 0.2989)$

Have a look what the booklet for
Yxy(41.3212, 0.4098, 0.2989)
contains.

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Color

Yxy(41.2683, 0.4102, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	FF87A4
RGB	255, 135, 164
RGB Percent	100%, 53%, 64%
CMY	0.0001, 0.4705, 0.3568
CMYK	0.00, 0.47, 0.36, 0.00
HSL	346°, 100%, 76%
HSV	346°, 47%, 100%
XYZ	56.5973, 41.2683, 40.1093
YIQ	174.1860, 62.2110, 34.4590

Conversions

Conversions Part 2

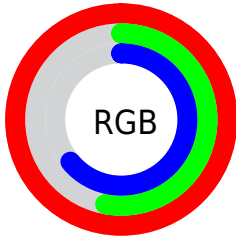
Format	Color
R _Y B	255, 135, 164
Decimal	16746404
CIE Lab	70.36, 48.40, 5.53
CIE LCh	70, 48.710, 6.522
Yxy	41.2683, 0.4102, 0.2991
Android (android.graphics.Color)	4294936484 (0xFFFF87A4)
YUV	174.1860, -5.0217, 70.8739
Hunter-Lab	64.2404, 44.8420, 7.9498

Details

The Yxy color **41.2683, 0.4102, 0.2991** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.1441, 0.2628, 0.3630**, and the grayscale version is **42.4337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6361, 0.3431, 0.3005**, and **18.6568, 0.4401, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **34.3392, 0.4441, 0.2942**, and if you desaturate by 10%, it is **50.0112, 0.3813, 0.3053**.

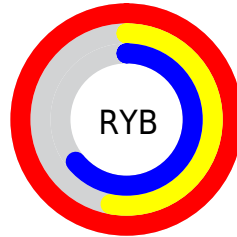
Distribution



Red (100%)

Green (53%)

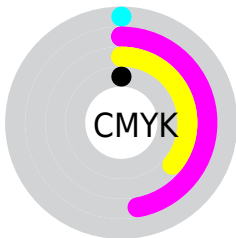
Blue (64%)



Red (100%)

Yellow (53%)

Blue (64%)

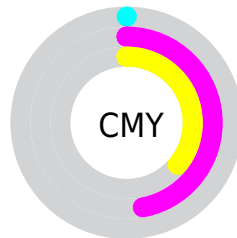


Cyan (0%)

Magenta (47%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2683, 0.4102, 0.2991 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 41.2683, 0.4102, 0.2991 by changing the saturation by 10% instead.

 41.2683, 0.4102,
0.2991

 41.2683, 0.4102,
0.2991


351.4407, 0.3603,
0.3150


 28.5288, 0.4229,
0.2948


 77.0910, 0.3919,
0.3051

 18.7246, 0.4394,
0.2892


 100.9430, 0.3850,
0.3073

 11.4715, 0.4614,
0.2815


 129.2680, 0.3793,
0.3091

 6.3849, 0.4924,
0.2703

162.4502, 0.3744,
0.3107

 3.0805, 0.5386,
0.2528

200.8743, 0.3702,
0.3120

 1.1739, 0.6137,
0.2227

244.9244, 0.3665,

 0.0402, 0.9695,

0.3131

0.0305

294.9851, 0.3632,
0.3141

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.2683, 0.4102,
0.2991

41.2683, 0.4102,
0.2991

34.3392, 0.4441,
0.2942

50.0112, 0.3813,
0.3053

29.0894, 0.4822,
0.2915

60.6774, 0.3574,
0.3119

25.3754, 0.5222,
0.2920

73.3753, 0.3379,
0.3185

23.0269, 0.5603,
0.2967

88.2031, 0.3220,
0.3248

■ 21.8273, 0.5920,
0.3053

99.9943, 0.3127,
0.3290

■ 21.5979, 0.6001,
0.3079

Harmonies

Analogous

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



41.2683, 0.3417, 0.2559



41.2683, 0.4102, 0.2991



41.2683, 0.4499, 0.3507

Triad

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



41.2683, 0.4102, 0.2991



41.2683, 0.3417, 0.4584



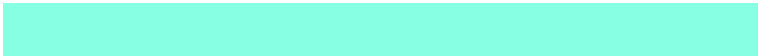
41.2683, 0.1926, 0.2380

Complementary

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



41.2683, 0.4102, 0.2991



82.1441, 0.2628, 0.3630

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.



41.2683, 0.1925, 0.2827



41.2683, 0.4102, 0.2991



41.2683, 0.2740, 0.4230

Square

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



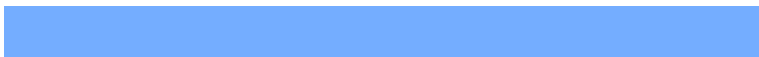
41.2683, 0.4102, 0.2991



41.2683, 0.4050, 0.4457



41.2683, 0.2203, 0.3520



41.2683, 0.2195, 0.2209

Rectangle

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



41.2683, 0.4102, 0.2991



41.2683, 0.4523, 0.3861



41.2683, 0.2203, 0.3520



41.2683, 0.1896, 0.2497

Sweetspot

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



41.2704, 0.4102, 0.2991



77.6771, 0.3327, 0.3204



40.5584, 0.2922, 0.2052



15.9716, 0.3363, 0.3191



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.



41.2704, 0.4102, 0.2991



34.9899, 0.4403, 0.2946



49.9190, 0.4266, 0.3606



18.0590, 0.3256, 0.3233



11.3078, 0.5961, 0.3058



1.1173, 0.5649, 0.2885

Inverse Universe

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



41.2704, 0.4102, 0.2991



34.9899, 0.4403, 0.2946



66.2130, 0.2436, 0.2934



18.0590, 0.3256, 0.3233



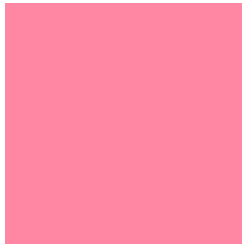
11.3078, 0.5961, 0.3058



1.1173, 0.5649, 0.2885

Previews

White Background



This preview shows how the Yxy color 41.2683, 0.4102, 0.2991 looks on a white background.

Color Contrast Check

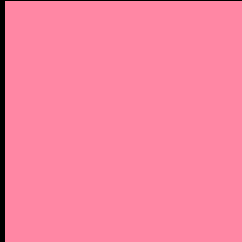
Large Text (above 18pt) WCAG AA × Fail

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 41.2683, 0.4102, 0.2991 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 41.2683, 0.4102, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 41.2683, 0.4102, 0.2991.



This preview shows how white text looks on a background with the Yxy color 41.2683, 0.4102, 0.2991.

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

41.2683, 0.4102, 0.2991

Protanopia

41.3993, 0.3021, 0.3101

Deuteranopia

41.2450, 0.3456, 0.3383



Tritanopia

41.3859, 0.4261, 0.3189

Trichromacy



Original Color

41.2683, 0.4102, 0.2991



Protanomaly

40.1846, 0.3380, 0.3051



Deuteranomaly

40.6148, 0.3683, 0.3218



Tritanomaly

41.2952, 0.4198, 0.3115

Monochromacy



Original Color

41.2683, 0.4102, 0.2991



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.7404, 0.3453, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2683, 0.4102, 0.2991 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, 135, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 164)  
}
```

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, 135, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 164) }
```

Border

The CSS property to change the border of an element to Yxy 41.2683, 0.4102, 0.2991 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, 135, 164) }
```

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

```
.border{ border-color:rgb(255, 135, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2683, 0.4102, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 164) }
```

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

```
.background{ background-color: rgb(255,  
135, 164) }
```

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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