

Converting Colors

$Y_{xy}(44.2671, 0.4237, 0.2966)$

Have a look what the booklet for
Yxy(44.2671, 0.4237, 0.2966)
contains.

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Color

Yxy(40.8251, 0.4076, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	FF85A7
RGB	255, 133, 167
RGB Percent	100%, 52%, 65%
CMY	0.0000, 0.4784, 0.3453
CMYK	0.00, 0.48, 0.35, 0.00
HSL	343°, 100%, 76%
HSV	343°, 48%, 100%
XYZ	56.5997, 40.8251, 41.4361
YIQ	173.3540, 61.7980, 36.4380

Conversions

Conversions Part 2

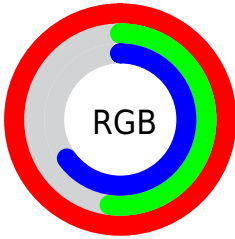
Format	Color
R _Y B	255, 133, 167
Decimal	16745895
CIE Lab	70.05, 49.74, 3.43
CIE LCh	70, 49.857, 3.949
Yxy	40.8251, 0.4076, 0.2940
Android (android.graphics.Color)	4294935975 (0xFFFF85A7)
YUV	173.3540, -3.1325, 71.6035
Hunter-Lab	63.8945, 46.3053, 6.2761

Details

The Yxy color **40.8251, 0.4076, 0.2940** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.7309, 0.2642, 0.3692**, and the grayscale version is **41.9727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9291, 0.3410, 0.2955**, and **18.4319, 0.4361, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **34.0384, 0.4400, 0.2883**, and if you desaturate by 10%, it is **49.4071, 0.3799, 0.3011**.

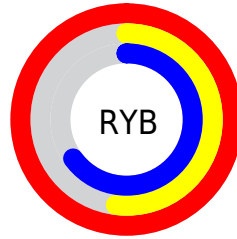
Distribution



Red (100%)

Green (52%)

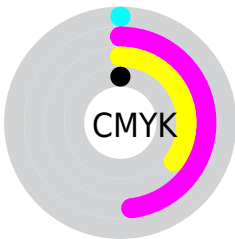
Blue (65%)



Red (100%)

Yellow (52%)

Blue (65%)

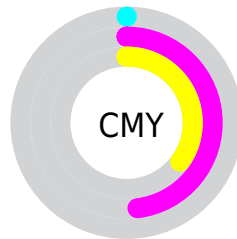


Cyan (0%)

Magenta (48%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8251, 0.4076, 0.2940 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 40.8251, 0.4076, 0.2940 by changing the saturation by 10% instead.


 40.8251, 0.4076,
0.2940


 40.8251, 0.4076,
0.2940


349.5891, 0.3591,
0.3123


 28.1824, 0.4200,
0.2892

 76.4183, 0.3898,
0.3008

 18.4632, 0.4360,
0.2830


 100.1377, 0.3831,
0.3033

 11.2831, 0.4574,
0.2745


 128.3181, 0.3775,
0.3054

 6.2576, 0.4876,
0.2623

161.3438, 0.3728,
0.3072

 3.0023, 0.5327,
0.2436

199.5995, 0.3686,
0.3087

 1.1329, 0.6058,
0.2122

243.4693, 0.3651,

 0.0059, 0.9954,

0.3101

0.0046

293.3377, 0.3619,
0.3113

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8251, 0.4076,
0.2940

■ 40.8251, 0.4076,
0.2940

■ 34.0384, 0.4400,
0.2883

■ 49.4071, 0.3799,
0.3011

■ 28.9123, 0.4762,
0.2851

■ 59.8947, 0.3569,
0.3087

■ 25.3025, 0.5144,
0.2855

■ 72.3960, 0.3380,
0.3163

■ 23.0371, 0.5511,
0.2904

■ 87.0094, 0.3227,
0.3236

■ 21.8869, 0.5825,
0.2995

100.0000, 0.3127,
0.3290

■ 21.7144, 0.5885,
0.3016

Harmonies

Analogous

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



40.8251, 0.3359, 0.2510



40.8251, 0.4076, 0.2940



40.8251, 0.4518, 0.3462

Triad

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



40.8251, 0.4076, 0.2940



40.8251, 0.3481, 0.4628



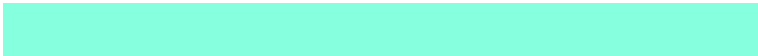
40.8251, 0.1888, 0.2384

Complementary

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



40.8251, 0.4076, 0.2940



81.7309, 0.2642, 0.3692

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.



40.8251, 0.1910, 0.2865



40.8251, 0.4076, 0.2940



40.8251, 0.2784, 0.4309

Square

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



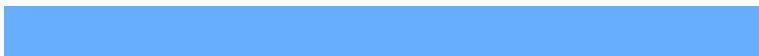
40.8251, 0.4076, 0.2940



40.8251, 0.4119, 0.4456



40.8251, 0.2217, 0.3593



40.8251, 0.2139, 0.2189

Rectangle

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



40.8251, 0.4076, 0.2940



40.8251, 0.4567, 0.3824



40.8251, 0.2217, 0.3593



40.8251, 0.1864, 0.2512

Sweetspot

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



40.8270, 0.4076, 0.2940



77.7500, 0.3318, 0.3191



39.2824, 0.2882, 0.2019



15.9892, 0.3352, 0.3175



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.



40.8270, 0.4076, 0.2940



34.5417, 0.4371, 0.2887



47.9028, 0.4317, 0.3568



18.0701, 0.3250, 0.3224



11.3679, 0.5844, 0.2993



1.1245, 0.5525, 0.2817

Inverse Universe

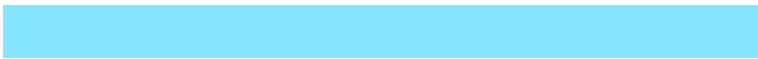
The Inverse Universe completely reimagines the original color for something new.



40.8270, 0.4076, 0.2940



34.5417, 0.4371, 0.2887



68.0082, 0.2435, 0.2977



18.0701, 0.3250, 0.3224



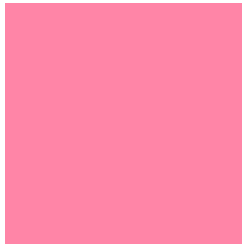
11.3679, 0.5844, 0.2993



1.1245, 0.5525, 0.2817

Previews

White Background



This preview shows how the Yxy color 40.8251, 0.4076, 0.2940 looks on a white background.

Color Contrast Check

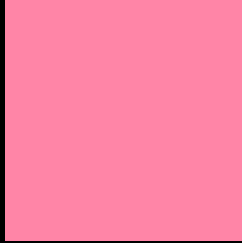
Large Text (above 18pt) WCAG AA × Fail

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 40.8251, 0.4076, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

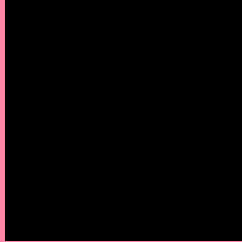
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8251, 0.4076, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 40.8251, 0.4076, 0.2940.



This preview shows how white text looks on a background with the Yxy color 40.8251, 0.4076, 0.2940.

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

40.8251, 0.4076, 0.2940

Protanopia

40.9696, 0.2972, 0.3034

Deuteranopia

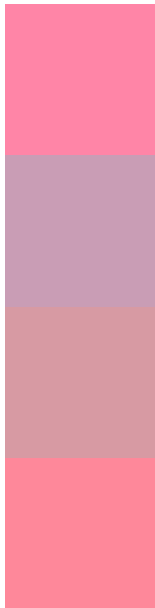
41.0521, 0.3418, 0.3357



Tritanopia

40.8806, 0.4268, 0.3189

Trichromacy



Original Color

40.8251, 0.4076, 0.2940

Protanomaly

39.8676, 0.3334, 0.2988

Deuteranomaly

40.2026, 0.3655, 0.3181

Tritanomaly

41.0122, 0.4203, 0.3105

Monochromacy



Original Color

40.8251, 0.4076, 0.2940

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.0905, 0.3447, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8251, 0.4076, 0.2940 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, 133, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 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, 133, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 167) }
```

Border

The CSS property to change the border of an element to Yxy 40.8251, 0.4076, 0.2940 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, 133, 167) }
```

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

```
.border{ border-color:rgb(255, 133, 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, 133, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8251, 0.4076, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 167) }
```

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

```
.background{ background-color: rgb(255,  
133, 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](#).

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