

Converting Colors

$Y_{xy}(43.1927, 0.4130, 0.2843)$

Have a look what the booklet for
Yxy(43.1927, 0.4130, 0.2843)
contains.

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Color

Yxy(40.0951, 0.3985, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	FF81B0
RGB	255, 129, 176
RGB Percent	100%, 51%, 69%
CMY	0.0001, 0.4940, 0.3097
CMYK	0.00, 0.49, 0.31, 0.00
HSL	338°, 100%, 75%
HSV	338°, 49%, 100%
XYZ	56.9216, 40.0951, 45.8230
YIQ	172.0320, 60.0090, 41.3290

Conversions

Conversions Part 2

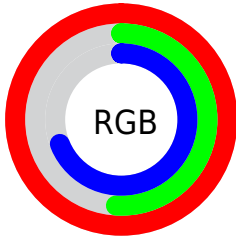
Format	Color
R _Y B	255, 129, 176
Decimal	16744880
CIE Lab	69.54, 52.76, -2.40
CIE LCh	70, 52.813, 357.395
Yxy	40.0951, 0.3985, 0.2807
Android (android.graphics.Color)	4294934960 (0xFFFF81B0)
YUV	172.0320, 1.9562, 72.7629
Hunter-Lab	63.3207, 49.6499, 1.4184

Details

The Yxy color **40.0951, 0.3985, 0.2807** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.7266, 0.2686, 0.3859**, and the grayscale version is **41.2425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7841, 0.3335, 0.2817**, and **17.9549, 0.4231, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **33.5999, 0.4264, 0.2730**, and if you desaturate by 10%, it is **48.3444, 0.3744, 0.2901**.

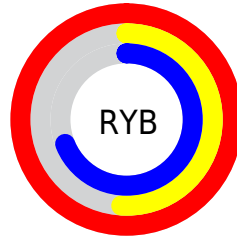
Distribution



Red (100%)

Green (51%)

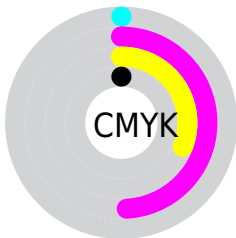
Blue (69%)



Red (100%)

Yellow (51%)

Blue (69%)

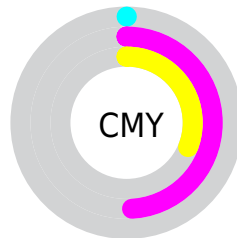


Cyan (0%)

Magenta (49%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0951, 0.3985, 0.2807 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 40.0951, 0.3985, 0.2807 by changing the saturation by 10% instead.


 40.0951, 0.3985,
0.2807

 40.0951, 0.3985,
0.2807


346.5242, 0.3549,
0.3050


 27.6127, 0.4096,
0.2746


 75.3083, 0.3825,
0.2896

 18.0339, 0.4238,
0.2668


 98.8079, 0.3766,
0.2929

 10.9743, 0.4429,
0.2564


 126.7487, 0.3715,
0.2957

 6.0496, 0.4697,
0.2419

159.5151, 0.3672,
0.2981

 2.8753, 0.5097,
0.2207

197.4914, 0.3635,
0.3002

 1.0670, 0.5747,
0.1868

241.0621, 0.3603,

 0.0000, 0.9210,

0.3020

0.0000

290.6116, 0.3574,
0.3036

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.0951, 0.3985,
0.2807

40.0951, 0.3985,
0.2807

33.5999, 0.4264,
0.2730

48.3444, 0.3744,
0.2901

28.7232, 0.4575,
0.2682

58.4583, 0.3541,
0.3002

25.3193, 0.4904,
0.2677

70.5450, 0.3372,
0.3104

23.2125, 0.5226,
0.2723

84.7027, 0.3234,
0.3203

■ 22.1352, 0.5519,
0.2817

99.9955, 0.3127,
0.3290

■ 22.0842, 0.5536,
0.2823

Harmonies

Analogous

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



40.0951, 0.3195, 0.2389



40.0951, 0.3985, 0.2807



40.0951, 0.4544, 0.3338

Triad

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



40.0951, 0.3985, 0.2807



40.0951, 0.3654, 0.4717



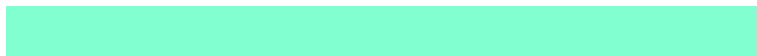
40.0951, 0.1801, 0.2411

Complementary

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



40.0951, 0.3985, 0.2807



80.7266, 0.2686, 0.3859

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.



40.0951, 0.1885, 0.2983



40.0951, 0.3985, 0.2807



40.0951, 0.2913, 0.4507

Square

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



40.0951, 0.3985, 0.2807



40.0951, 0.4293, 0.4429



40.0951, 0.2270, 0.3796



40.0951, 0.2001, 0.2147

Rectangle

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



40.0951, 0.3985, 0.2807



40.0951, 0.4665, 0.3718



40.0951, 0.2270, 0.3796



40.0951, 0.1796, 0.2566

Sweetspot

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



40.0971, 0.3985, 0.2807



76.5277, 0.3308, 0.3148



36.1461, 0.2763, 0.1938



15.7570, 0.3338, 0.3127



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.



40.0971, 0.3985, 0.2807



33.8339, 0.4252, 0.2733



42.7018, 0.4448, 0.3445



18.0992, 0.3235, 0.3202



11.5684, 0.5492, 0.2799



1.1467, 0.5183, 0.2629

Inverse Universe

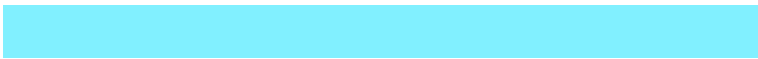
The Inverse Universe completely reimagines the original color for something new.



40.0971, 0.3985, 0.2807



33.8339, 0.4252, 0.2733



74.3733, 0.2445, 0.3117



18.0992, 0.3235, 0.3202



11.5684, 0.5492, 0.2799



1.1467, 0.5183, 0.2629

Previews

White Background



This preview shows how the Yxy color 40.0951, 0.3985, 0.2807 looks on a white background.

Color Contrast Check

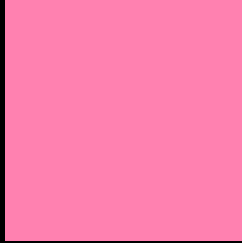
Large Text (above 18pt) WCAG AA × Fail

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 40.0951, 0.3985, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

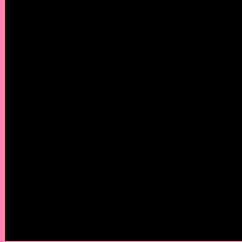
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0951, 0.3985, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 40.0951, 0.3985, 0.2807.



This preview shows how white text looks on a background with the Yxy color 40.0951, 0.3985, 0.2807.

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

40.0951, 0.3985, 0.2807

Protanopia

40.4855, 0.2830, 0.2861

Deuteranopia

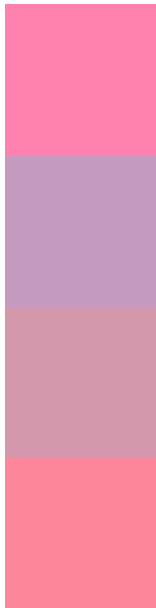
40.3773, 0.3290, 0.3224



Tritanopia

40.0677, 0.4291, 0.3188

Trichromacy



Original Color

40.0951, 0.3985, 0.2807

Protanomaly

38.7873, 0.3197, 0.2812

Deuteranomaly

39.4321, 0.3539, 0.3045

Tritanomaly

40.0580, 0.4183, 0.3052

Monochromacy



Original Color

40.0951, 0.3985, 0.2807

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.3506, 0.3422, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0951, 0.3985, 0.2807 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, 129, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 176)  
}
```

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, 129, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.0951, 0.3985, 0.2807 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, 129, 176) }
```

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

```
.border{ border-color:rgb(255, 129, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0951, 0.3985, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 176) }
```

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

```
.background{ background-color: rgb(255,  
129, 176) }
```

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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