

Converting Colors

$Y_{xy}(40.1394, 0.3610, 0.2412)$

Have a look what the booklet for
Yxy(40.1394, 0.3610, 0.2412)
contains.

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Color

Yxy(40.1291, 0.3610, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BD3
RGB	255, 123, 211
RGB Percent	100%, 48%, 83%
CMY	0.0000, 0.5177, 0.1724
CMYK	0.00, 0.52, 0.17, 0.00
HSL	320°, 100%, 74%
HSV	320°, 52%, 100%
XYZ	60.0855, 40.1291, 66.2272
YIQ	172.5000, 50.4240, 55.3520

Conversions

Conversions Part 2

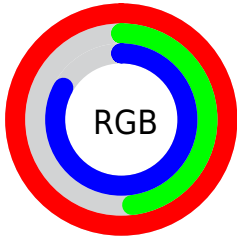
Format	Color
R _Y B	255, 123, 211
Decimal	16743379
CIE _{Lab}	69.56, 60.32, -21.94
CIE _{LCh}	70, 64.187, 340.017
Yxy	40.1291, 0.3610, 0.2411
Android (android.graphics.Color)	4294933459 (0xFFFF7BD3)
YUV	172.5000, 18.9805, 72.3525
Hunter-Lab	63.3475, 58.4500, -17.6419

Details

The Yxy color **40.1291, 0.3610, 0.2411** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.5194, 0.2853, 0.4400**, and the grayscale version is **41.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **18.1504, 0.3741, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **34.1913, 0.3744, 0.2275**, and if you desaturate by 10%, it is **47.7382, 0.3488, 0.2571**.

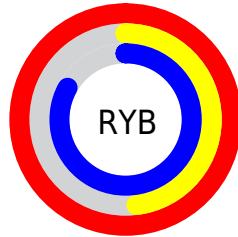
Distribution



Red (100%)

Green (48%)

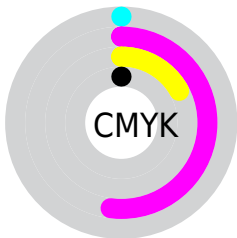
Blue (83%)



Red (100%)

Yellow (48%)

Blue (83%)

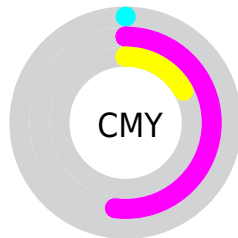


Cyan (0%)

Magenta (52%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1291, 0.3610, 0.2411 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 40.1291, 0.3610, 0.2411 by changing the saturation by 10% instead.


 40.1291, 0.3610,
0.2411


 40.1291, 0.3610,
0.2411


346.6674, 0.3380,
0.2825


 27.6392, 0.3664,
0.2315


 75.3601, 0.3529,
0.2556

 18.0539, 0.3731,
0.2197


 98.8699, 0.3498,
0.2612

 10.9887, 0.3817,
0.2047


 126.8219, 0.3471,
0.2660

 6.0592, 0.3930,
0.1851

159.6004, 0.3448,
0.2702

 2.8811, 0.4084,
0.1588

197.5898, 0.3428,
0.2738

 1.0700, 0.4306,
0.1222

241.1745, 0.3410,

 0.0000, 0.4990,

0.2771

0.0000

290.7389, 0.3394,
0.2799

■ 0.0000, 0.5761,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1291, 0.3610,
0.2411

■ 40.1291, 0.3610,
0.2411

■ 34.1913, 0.3744,
0.2275

■ 47.7382, 0.3488,
0.2571

■ 29.7913, 0.3888,
0.2173

■ 57.1333, 0.3380,
0.2744

■ 26.7791, 0.4035,
0.2117

■ 68.4218, 0.3286,
0.2920

■ 24.9728, 0.4181,
0.2112

■ 81.7016, 0.3206,
0.3094

■ 24.1647, 0.4298,
0.2142

■ 97.0641, 0.3138,
0.3261

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.1291, 0.2674, 0.2046



40.1291, 0.3610, 0.2411



40.1291, 0.4510, 0.2952

Triad

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



40.1291, 0.3610, 0.2411



40.1291, 0.4187, 0.4831



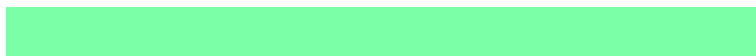
40.1291, 0.1586, 0.2563

Complementary

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



40.1291, 0.3610, 0.2411



78.5194, 0.2853, 0.4400

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.



40.1291, 0.1867, 0.3453



40.1291, 0.3610, 0.2411



40.1291, 0.3348, 0.5029

Square

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



40.1291, 0.3610, 0.2411



40.1291, 0.4799, 0.4246



40.1291, 0.2496, 0.4488



40.1291, 0.1635, 0.2068

Rectangle

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



40.1291, 0.3610, 0.2411



40.1291, 0.4877, 0.3368



40.1291, 0.2496, 0.4488



40.1291, 0.1641, 0.2818

Sweetspot

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



40.1298, 0.3610, 0.2411



75.8298, 0.3238, 0.3021



29.3628, 0.2416, 0.1747



15.6481, 0.3255, 0.2985



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.



40.1298, 0.3610, 0.2411



34.0713, 0.3748, 0.2272



37.5379, 0.4349, 0.3046



18.1915, 0.3189, 0.3133



12.6554, 0.4276, 0.2129



1.2525, 0.4123, 0.2045

Inverse Universe

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



40.1298, 0.3610, 0.2411



34.0713, 0.3748, 0.2272



81.4889, 0.2559, 0.3575



18.1915, 0.3189, 0.3133



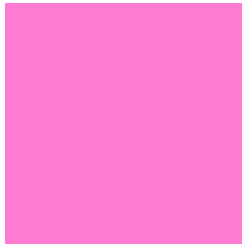
12.6554, 0.4276, 0.2129



1.2525, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 40.1291, 0.3610, 0.2411 looks on a white background.

Color Contrast Check

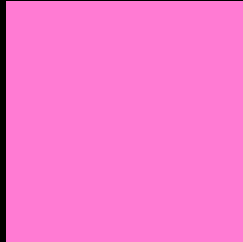
Large Text (above 18pt) WCAG AA × Fail

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 40.1291, 0.3610, 0.2411 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 40.1291, 0.3610, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 40.1291, 0.3610, 0.2411.



This preview shows how white text looks on a background with the Yxy color 40.1291, 0.3610, 0.2411.

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

40.1291, 0.3610, 0.2411

Protanopia

40.6479, 0.2424, 0.2335

Deuteranopia

40.1781, 0.2855, 0.2790



Tritanopia

39.9544, 0.4220, 0.3186

Trichromacy



Original Color

40.1291, 0.3610, 0.2411



Protanomaly

38.7218, 0.2771, 0.2330



Deuteranomaly

38.7352, 0.3103, 0.2599



Tritanomaly

39.9140, 0.4006, 0.2892

Monochromacy



Original Color

40.1291, 0.3610, 0.2411



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.7271, 0.3300, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1291, 0.3610, 0.2411 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, 123, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 211)  
}
```

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, 123, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 211) }
```

Border

The CSS property to change the border of an element to Yxy 40.1291, 0.3610, 0.2411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

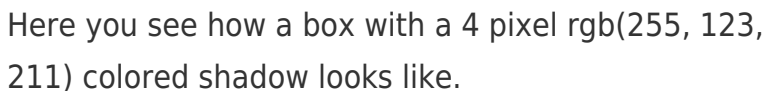
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 123, 211) }
```

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

```
.border{ border-color:rgb(255, 123, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 123, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1291, 0.3610, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 211) }
```

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

```
.background{ background-color: rgb(255,  
123, 211) }
```

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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