

Converting Colors

$Y_{xy}(40.9159, 0.3555, 0.2385)$

Have a look what the booklet for
Yxy(40.9159, 0.3555, 0.2385)
contains.

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Color

Yxy(40.8851, 0.3555, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DD8
RGB	255, 125, 216
RGB Percent	100%, 49%, 85%
CMY	0.0000, 0.5098, 0.1529
CMYK	0.00, 0.51, 0.15, 0.00
HSL	318°, 100%, 75%
HSV	318°, 51%, 100%
XYZ	60.9675, 40.8851, 69.6453
YIQ	174.2440, 48.2690, 55.8610

Conversions

Conversions Part 2

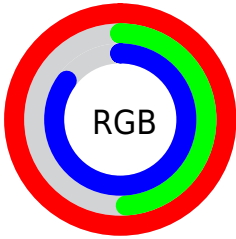
Format	Color
R _Y B	255, 125, 216
Decimal	16743896
CIE Lab	70.10, 60.11, -23.88
CIE LCh	70, 64.681, 338.332
Yxy	40.8851, 0.3555, 0.2384
Android (android.graphics.Color)	4294933976 (0xFFFF7DD8)
YUV	174.2440, 20.5857, 70.8230
Hunter-Lab	63.9415, 58.3003, -19.8199

Details

The Yxy color **40.8851, 0.3555, 0.2384** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.5594, 0.2875, 0.4436**, and the grayscale version is **42.3348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **18.5652, 0.3662, 0.2170** is the 20% darker color. If you saturate the color by 10%, you get **34.8515, 0.3674, 0.2239**, and if you desaturate by 10%, it is **48.5979, 0.3447, 0.2552**.

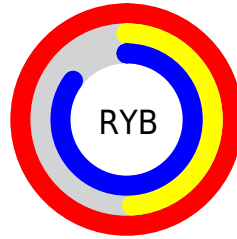
Distribution



Red (100%)

Green (49%)

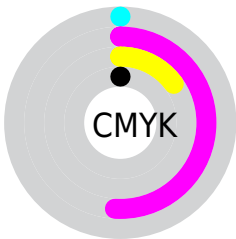
Blue (85%)



Red (100%)

Yellow (49%)

Blue (85%)

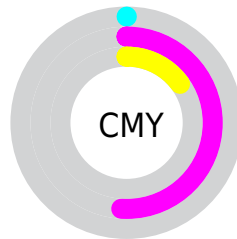


Cyan (0%)

Magenta (51%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8851, 0.3555, 0.2384 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 40.8851, 0.3555, 0.2384 by changing the saturation by 10% instead.


 40.8851, 0.3555,
0.2384


 40.8851, 0.3555,
0.2384


349.8402, 0.3355,
0.2808


 28.2293, 0.3601,
0.2287


 76.5094, 0.3485,
0.2532

 18.4986, 0.3658,
0.2167


 100.2468, 0.3458,
0.2589

 11.3085, 0.3729,
0.2016


 128.4468, 0.3435,
0.2638

 6.2748, 0.3822,
0.1820

161.4938, 0.3415,
0.2681

 3.0129, 0.3946,
0.1558

199.7723, 0.3397,
0.2719

 1.1385, 0.4117,
0.1199

243.6665, 0.3381,

 0.0106, 0.4670,

0.2752

0.0030

293.5610, 0.3367,
0.2782

■ 0.0000, 0.4720,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8851, 0.3555,
0.2384

■ 40.8851, 0.3555,
0.2384

■ 34.8515, 0.3674,
0.2239

■ 48.5979, 0.3447,
0.2552

■ 30.3614, 0.3800,
0.2129

■ 58.1001, 0.3350,
0.2733

■ 27.2680, 0.3929,
0.2062

■ 69.4993, 0.3266,
0.2917

■ 25.3926, 0.4057,
0.2046

■ 82.8929, 0.3194,
0.3099

■ 24.4940, 0.4168,
0.2070

98.3715, 0.3133,
0.3273

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



40.8851, 0.2627, 0.2031



40.8851, 0.3555, 0.2384



40.8851, 0.4470, 0.2918

Triad

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



40.8851, 0.3555, 0.2384



40.8851, 0.4231, 0.4806



40.8851, 0.1591, 0.2602

Complementary

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



40.8851, 0.3555, 0.2384



78.5594, 0.2875, 0.4436

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.



40.8851, 0.1892, 0.3512



40.8851, 0.3555, 0.2384



40.8851, 0.3398, 0.5038

Square

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



40.8851, 0.3555, 0.2384



40.8851, 0.4824, 0.4210



40.8851, 0.2540, 0.4540



40.8851, 0.1623, 0.2084

Rectangle

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



40.8851, 0.3555, 0.2384



40.8851, 0.4859, 0.3331



40.8851, 0.2540, 0.4540



40.8851, 0.1652, 0.2865

Sweetspot

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



40.8871, 0.3555, 0.2384



77.2598, 0.3222, 0.3026



29.5539, 0.2396, 0.1759



15.9333, 0.3237, 0.2988



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.



40.8871, 0.3555, 0.2384



34.8399, 0.3674, 0.2239



38.2347, 0.4268, 0.3003



18.2021, 0.3184, 0.3125



12.8266, 0.4149, 0.2059



1.2682, 0.4015, 0.1985

Inverse Universe

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



40.8871, 0.3555, 0.2384



34.8399, 0.3674, 0.2239



81.4158, 0.2584, 0.3624



18.2021, 0.3184, 0.3125



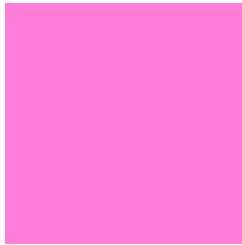
12.8266, 0.4149, 0.2059



1.2682, 0.4015, 0.1985

Previews

White Background



This preview shows how the Yxy color 40.8851, 0.3555, 0.2384 looks on a white background.

Color Contrast Check

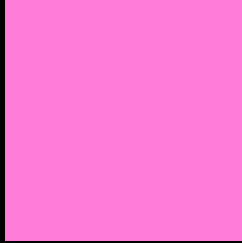
Large Text (above 18pt) WCAG AA × Fail

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 40.8851, 0.3555, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

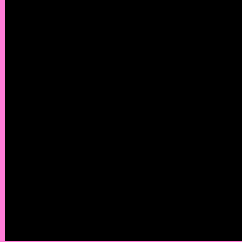
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8851, 0.3555, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 40.8851, 0.3555, 0.2384.



This preview shows how white text looks on a background with the Yxy color 40.8851, 0.3555, 0.2384.

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

40.8851, 0.3555, 0.2384

Protanopia

41.3265, 0.2399, 0.2299

Deuteranopia

41.1548, 0.2819, 0.2757



Tritanopia

40.9146, 0.4173, 0.3186

Trichromacy



Original Color

40.8851, 0.3555, 0.2384



Protanomaly

39.3360, 0.2736, 0.2294



Deuteranomaly

39.6274, 0.3059, 0.2569



Tritanomaly

40.8932, 0.3951, 0.2881

Monochromacy



Original Color

40.8851, 0.3555, 0.2384



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.1476, 0.3280, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8851, 0.3555, 0.2384 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, 125, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 216)  
}
```

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, 125, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 216) }
```

Border

The CSS property to change the border of an element to Yxy 40.8851, 0.3555, 0.2384 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, 125, 216) }
```

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

```
.border{ border-color:rgb(255, 125, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8851, 0.3555, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 216) }
```

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

```
.background{ background-color: rgb(255,  
125, 216) }
```

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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