

Converting Colors

$Y_{xy}(40.6802, 0.3734, 0.2568)$

Have a look what the booklet for
Yxy(40.6802, 0.3734, 0.2568)
contains.

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Color

Yxy(40.8219, 0.3730, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	FF80C7
RGB	255, 128, 199
RGB Percent	100%, 50%, 78%
CMY	0.0000, 0.4980, 0.2195
CMYK	0.00, 0.50, 0.22, 0.00
HSL	326°, 100%, 75%
HSV	326°, 50%, 100%
XYZ	59.2704, 40.8219, 58.8096
YIQ	174.0670, 52.9010, 49.0050

Conversions

Conversions Part 2

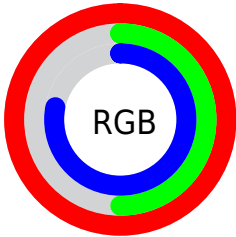
Format	Color
R _Y B	255, 128, 199
Decimal	16744647
CIE Lab	70.05, 56.26, -14.51
CIE LCh	70, 58.105, 345.536
Yxy	40.8219, 0.3730, 0.2569
Android (android.graphics.Color)	4294934727 (0xFFFF80C7)
YUV	174.0670, 12.2920, 70.9782
Hunter-Lab	63.8920, 53.7772, -9.8492

Details

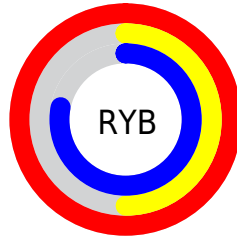
The Yxy color **40.8219, 0.3730, 0.2569** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.5671, 0.2795, 0.4171**, and the grayscale version is **42.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.5452, 0.3900, 0.2391** is the 20% darker color. If you saturate the color by 10%, you get **34.4837, 0.3913, 0.2449**, and if you desaturate by 10%, it is **48.8737, 0.3568, 0.2709**.

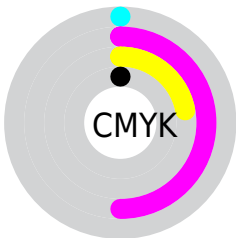
Distribution



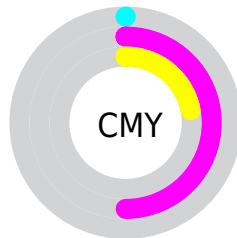
- Red (100%)
- Green (50%)
- Blue (78%)



- Red (100%)
- Yellow (50%)
- Blue (78%)



- Cyan (0%)
- Magenta (50%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8219, 0.3730, 0.2569 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 40.8219, 0.3730, 0.2569 by changing the saturation by 10% instead.

 40.8219, 0.3730,
0.2569


 40.8219, 0.3730,
0.2569


349.5757, 0.3434,
0.2915

 28.1799, 0.3802,
0.2487


 76.4135, 0.3624,
0.2691

 18.4614, 0.3894,
0.2385

 100.1319, 0.3583,
0.2738

 11.2817, 0.4013,
0.2253


 128.3112, 0.3549,
0.2778

 6.2567, 0.4177,
0.2079

161.3358, 0.3520,
0.2813

 3.0018, 0.4411,
0.1836

199.5902, 0.3494,
0.2843

 1.1327, 0.4772,
0.1484

243.4587, 0.3471,

 0.0056, 0.5936,

0.2870

0.0022

293.3258, 0.3451,
0.2894

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8219, 0.3730,
0.2569

■ 40.8219, 0.3730,
0.2569

■ 34.4837, 0.3913,
0.2449

■ 48.8737, 0.3568,
0.2709

■ 29.7247, 0.4114,
0.2361

■ 58.7485, 0.3428,
0.2857

■ 26.3999, 0.4325,
0.2317

■ 70.5532, 0.3309,
0.3007

■ 24.3345, 0.4537,
0.2327

■ 84.3850, 0.3209,
0.3154

■ 23.2492, 0.4741,
0.2386

99.9995, 0.3127,
0.3290

■ 23.2315, 0.4745,
0.2388

Harmonies

Analogous

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



40.8219, 0.2865, 0.2193



40.8219, 0.3730, 0.2569



40.8219, 0.4486, 0.3096

Triad

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



40.8219, 0.3730, 0.2569



40.8219, 0.3982, 0.4765



40.8219, 0.1697, 0.2531

Complementary

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



40.8219, 0.3730, 0.2569



79.5671, 0.2795, 0.4171

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.



40.8219, 0.1907, 0.3278



40.8219, 0.3730, 0.2569



40.8219, 0.3199, 0.4803

Square

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



40.8219, 0.3730, 0.2569



40.8219, 0.4583, 0.4297



40.8219, 0.2438, 0.4202



40.8219, 0.1794, 0.2128

Rectangle

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



40.8219, 0.3730, 0.2569



40.8219, 0.4757, 0.3492



40.8219, 0.2438, 0.4202



40.8219, 0.1732, 0.2743

Sweetspot

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



40.8239, 0.3730, 0.2569



76.9385, 0.3258, 0.3078



32.7305, 0.2566, 0.1854



15.8557, 0.3280, 0.3047



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.



40.8239, 0.3730, 0.2569



34.3754, 0.3917, 0.2447



38.4897, 0.4453, 0.3207



18.1572, 0.3206, 0.3158



12.1698, 0.4713, 0.2370



1.2069, 0.4494, 0.2249

Inverse Universe

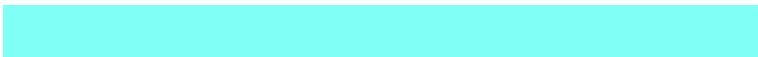
The Inverse Universe completely reimagines the original color for something new.



40.8239, 0.3730, 0.2569



34.3754, 0.3917, 0.2447



82.7944, 0.2510, 0.3386



18.1572, 0.3206, 0.3158



12.1698, 0.4713, 0.2370



1.2069, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 40.8219, 0.3730, 0.2569 looks on a white background.

Color Contrast Check

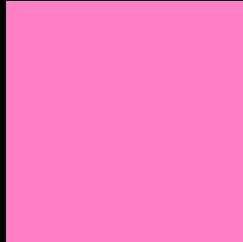
Large Text (above 18pt) WCAG AA × Fail

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 40.8219, 0.3730, 0.2569 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 40.8219, 0.3730, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 40.8219, 0.3730, 0.2569.



This preview shows how white text looks on a background with the Yxy color 40.8219, 0.3730, 0.2569.

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

40.8219, 0.3730, 0.2569

Protanopia

41.4188, 0.2587, 0.2546

Deuteranopia

41.0714, 0.3018, 0.2949



Tritanopia

40.6391, 0.4224, 0.3187

Trichromacy



Original Color

40.8219, 0.3730, 0.2569



Protanomaly

39.6589, 0.2938, 0.2534



Deuteranomaly

39.9880, 0.3266, 0.2780



Tritanomaly

40.5357, 0.4043, 0.2945

Monochromacy



Original Color

40.8219, 0.3730, 0.2569



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.2293, 0.3335, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8219, 0.3730, 0.2569 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, 128, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 199)  
}
```

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, 128, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 199) }
```

Border

The CSS property to change the border of an element to Yxy 40.8219, 0.3730, 0.2569 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, 128, 199) }
```

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

```
.border{ border-color:rgb(255, 128, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8219, 0.3730, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 199) }
```

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

```
.background{ background-color: rgb(255,  
128, 199) }
```

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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