

Converting Colors

$Y_{xy}(40.9540, 0.3672, 0.2512)$

Have a look what the booklet for
Yxy(40.9540, 0.3672, 0.2512)
contains.

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Color

Yxy(40.8465, 0.3668, 0.2503)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FCD
RGB	255, 127, 205
RGB Percent	100%, 50%, 80%
CMY	0.0000, 0.5020, 0.1961
CMYK	0.00, 0.50, 0.20, 0.00
HSL	323°, 100%, 75%
HSV	323°, 50%, 100%
XYZ	59.8582, 40.8465, 62.4855
YIQ	174.1640, 51.2500, 51.3940

Conversions

Conversions Part 2

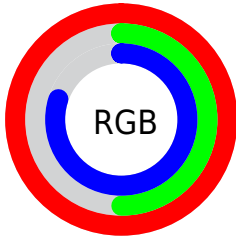
Format	Color
R _Y B	255, 127, 205
Decimal	16744397
CIE _{Lab}	70.07, 57.60, -17.81
CIE _{LCh}	70, 60.286, 342.818
Yxy	40.8465, 0.3668, 0.2503
Android (android.graphics.Color)	4294934477 (0xFFFF7FCD)
YUV	174.1640, 15.2021, 70.8932
Hunter-Lab	63.9113, 55.3352, -13.2295

Details

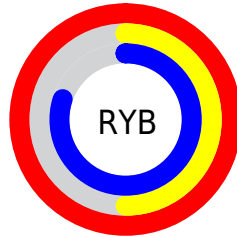
The Yxy color **40.8465, 0.3668, 0.2503** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.2043, 0.2823, 0.4264**, and the grayscale version is **42.3100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **18.4766, 0.3811, 0.2301** is the 20% darker color. If you saturate the color by 10%, you get **34.6031, 0.3827, 0.2373**, and if you desaturate by 10%, it is **48.7773, 0.3525, 0.2653**.

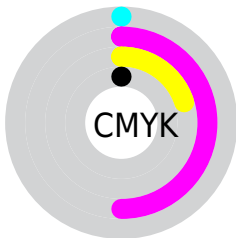
Distribution



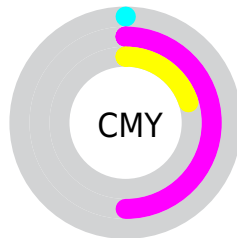
- Red (100%)
- Green (50%)
- Blue (80%)



- Red (100%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8465, 0.3668, 0.2503 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 40.8465, 0.3668, 0.2503 by changing the saturation by 10% instead.

 40.8465, 0.3668,
0.2503


 40.8465, 0.3668,
0.2503


349.6787, 0.3406,
0.2877

 28.1992, 0.3731,
0.2416


 76.4508, 0.3575,
0.2635

 18.4758, 0.3810,
0.2307


 100.1766, 0.3539,
0.2685

 11.2922, 0.3912,
0.2168


 128.3640, 0.3509,
0.2729

 6.2637, 0.4050,
0.1985

161.3973, 0.3482,
0.2766

 3.0061, 0.4244,
0.1735

199.6611, 0.3460,
0.2799

 1.1349, 0.4535,
0.1379

243.5396, 0.3439,

 0.0076, 0.5460,

0.2828

0.0027

293.4174, 0.3422,
0.2854

0.0000, 0.8829,
0.0000

0.0000, 0.0000,
0.0000

40.8465, 0.3668,
0.2503

40.8465, 0.3668,
0.2503

34.6031, 0.3827,
0.2373

48.7773, 0.3525,
0.2653

29.9325, 0.4000,
0.2277

58.5253, 0.3401,
0.2814

26.6824, 0.4181,
0.2224

70.1908, 0.3294,
0.2976

24.6769, 0.4361,
0.2224

83.8711, 0.3204,
0.3135

■ 23.6401, 0.4533,
0.2271

99.6567, 0.3129,
0.3287

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.



40.8465, 0.2779, 0.2136



40.8465, 0.3668, 0.2503



40.8465, 0.4481, 0.3032

Triad

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



40.8465, 0.3668, 0.2503



40.8465, 0.4071, 0.4782



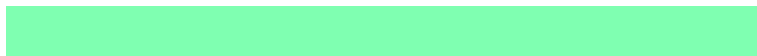
40.8465, 0.1660, 0.2556

Complementary

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



40.8465, 0.3668, 0.2503



79.2043, 0.2823, 0.4264

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.



40.8465, 0.1903, 0.3359



40.8465, 0.3668, 0.2503



40.8465, 0.3270, 0.4888

Square

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



40.8465, 0.3668, 0.2503



40.8465, 0.4668, 0.4267



40.8465, 0.2475, 0.4320



40.8465, 0.1733, 0.2113

Rectangle

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



40.8465, 0.3668, 0.2503



40.8465, 0.4792, 0.3434



40.8465, 0.2475, 0.4320



40.8465, 0.1704, 0.2786

Sweetspot

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



40.8417, 0.3668, 0.2503



77.0518, 0.3245, 0.3060



31.6306, 0.2509, 0.1822



15.8830, 0.3265, 0.3026



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.



40.8417, 0.3668, 0.2503



34.7138, 0.3824, 0.2376



38.3845, 0.4394, 0.3140



18.1731, 0.3198, 0.3146



12.3826, 0.4506, 0.2256



1.2271, 0.4317, 0.2152

Inverse Universe

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



40.8417, 0.3668, 0.2503



34.7138, 0.3824, 0.2376



82.3257, 0.2534, 0.3462



18.1731, 0.3198, 0.3146



12.3826, 0.4506, 0.2256



1.2271, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 40.8465, 0.3668, 0.2503 looks on a white background.

Color Contrast Check

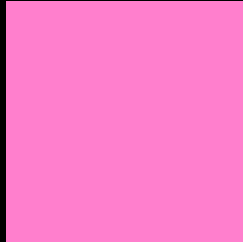
Large Text (above 18pt) WCAG AA × Fail

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 40.8465, 0.3668, 0.2503 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 40.8465, 0.3668, 0.2503

Background



This preview shows how black text looks on a background with the Yxy color 40.8465, 0.3668, 0.2503.

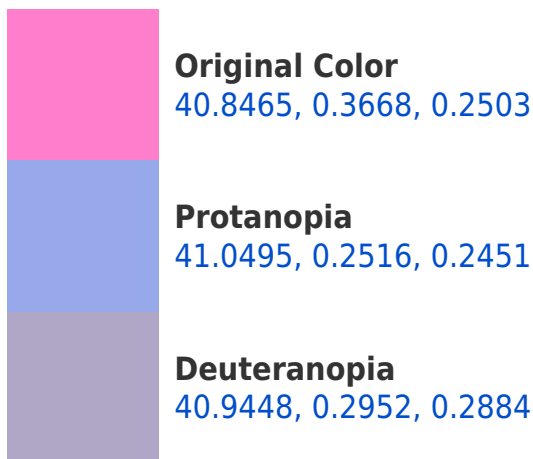


This preview shows how white text looks on a background with the Yxy color 40.8465, 0.3668, 0.2503.

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





Tritanopia

40.7749, 0.4198, 0.3186

Trichromacy



Original Color

40.8465, 0.3668, 0.2503



Protanomaly

39.3118, 0.2857, 0.2442



Deuteranomaly

39.6527, 0.3193, 0.2697



Tritanomaly

40.7017, 0.4007, 0.2933

Monochromacy



Original Color

40.8465, 0.3668, 0.2503



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.3132, 0.3316, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8465, 0.3668, 0.2503 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, 127, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 205)  
}
```

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, 127, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 205) }
```

Border

The CSS property to change the border of an element to Yxy 40.8465, 0.3668, 0.2503 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, 127, 205) }
```

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

```
.border{ border-color:rgb(255, 127, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8465, 0.3668, 0.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 205) }
```

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

```
.background{ background-color: rgb(255,  
127, 205) }
```

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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