

Converting Colors

Yxy(64.3560, 0.4248, 0.2532)

Have a look what the booklet for
Yxy(64.3560, 0.4248, 0.2532)
contains.

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Color

Yxy(40.8922, 0.3417, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AE6
RGB	255, 122, 230
RGB Percent	100%, 48%, 90%
CMY	0.0002, 0.5213, 0.0981
CMYK	0.00, 0.52, 0.10, 0.00
HSL	311°, 100%, 74%
HSV	311°, 52%, 100%
XYZ	62.4625, 40.8922, 79.4446
YIQ	174.0790, 44.6000, 61.7840

Conversions

Conversions Part 2

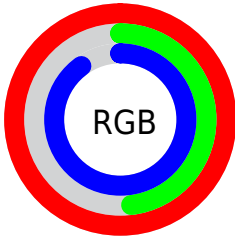
Format	Color
R _Y B	255, 122, 230
Decimal	16743142
CIE Lab	70.10, 63.59, -31.60
CIE LCh	70, 71.006, 333.572
Yxy	40.8922, 0.3417, 0.2237
Android (android.graphics.Color)	4294933222 (0xFFFF7AE6)
YUV	174.0790, 27.5691, 70.9677
Hunter-Lab	63.9470, 62.4490, -28.8960

Details

The Yxy color **40.8922, 0.3417, 0.2237** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.7304, 0.2940, 0.4660**, and the grayscale version is **42.2159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **18.5723, 0.3480, 0.2001** is the 20% darker color. If you saturate the color by 10%, you get **35.1643, 0.3490, 0.2077**, and if you desaturate by 10%, it is **48.2733, 0.3348, 0.2423**.

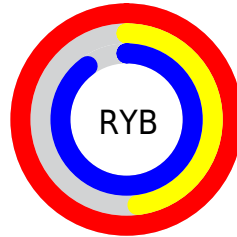
Distribution



Red (100%)

Green (48%)

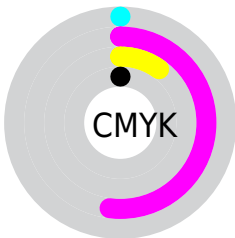
Blue (90%)



Red (100%)

Yellow (48%)

Blue (90%)

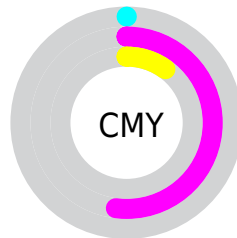


Cyan (0%)

Magenta (52%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8922, 0.3417, 0.2237 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 40.8922, 0.3417, 0.2237 by changing the saturation by 10% instead.


 40.8922, 0.3417,
0.2237

 40.8922, 0.3417,
0.2237


349.8699, 0.3292,
0.2721


 28.2349, 0.3443,
0.2129


 76.5202, 0.3376,
0.2403

 18.5028, 0.3473,
0.1997


 100.2597, 0.3359,
0.2469

 11.3116, 0.3508,
0.1832


 128.4620, 0.3344,
0.2525

 6.2768, 0.3550,
0.1624


161.5115, 0.3331,
0.2574

 3.0141, 0.3596,
0.1353

199.7927, 0.3320,
0.2617

 1.1391, 0.3639,
0.0998

243.6899, 0.3310,

 0.0111, 0.3849,

0.2656

0.0024

293.5875, 0.3300,
0.2690

0.0000, 0.3342,
0.0000

0.0000, 0.0000,
0.0000

40.8922, 0.3417,
0.2237

40.8922, 0.3417,
0.2237

35.1643, 0.3490,
0.2077

48.2733, 0.3348,
0.2423

30.9524, 0.3564,
0.1954

57.4189, 0.3285,
0.2626

28.1072, 0.3638,
0.1875

68.4375, 0.3229,
0.2836

26.4457, 0.3709,
0.1843

81.4270, 0.3179,
0.3045

■ 25.7555, 0.3762,
0.1846

■ 96.4787, 0.3136,
0.3248

99.9884, 0.3127,
0.3290

Harmonies

Analogous

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



40.8922, 0.2442, 0.1900



40.8922, 0.3417, 0.2237



40.8922, 0.4460, 0.2778

Triad

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



40.8922, 0.3417, 0.2237



40.8922, 0.4424, 0.4826



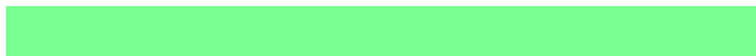
40.8922, 0.1499, 0.2655

Complementary

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



40.8922, 0.3417, 0.2237



77.7304, 0.2940, 0.4660

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.



40.8922, 0.1869, 0.3714



40.8922, 0.3417, 0.2237



40.8922, 0.3546, 0.5218

Square

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



40.8922, 0.3417, 0.2237



40.8922, 0.5023, 0.4136



40.8922, 0.2611, 0.4827



40.8922, 0.1485, 0.2041

Rectangle

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



40.8922, 0.3417, 0.2237



40.8922, 0.4948, 0.3206



40.8922, 0.2611, 0.4827



40.8922, 0.1580, 0.2964

Sweetspot

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



40.8941, 0.3417, 0.2237



76.1905, 0.3197, 0.2964



27.2997, 0.2278, 0.1684



15.7346, 0.3208, 0.2921



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.



40.8941, 0.3417, 0.2237



34.7541, 0.3496, 0.2065



37.8677, 0.4147, 0.2861



18.2384, 0.3167, 0.3099



13.4861, 0.3751, 0.1840



1.3275, 0.3678, 0.1800

Inverse Universe

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



40.8941, 0.3417, 0.2237



34.7541, 0.3496, 0.2065



80.4200, 0.2635, 0.3800



18.2384, 0.3167, 0.3099



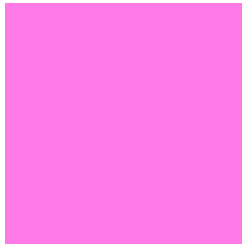
13.4861, 0.3751, 0.1840



1.3275, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 40.8922, 0.3417, 0.2237 looks on a white background.

Color Contrast Check

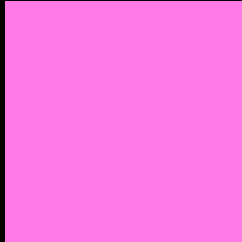
Large Text (above 18pt) WCAG AA × Fail

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 40.8922, 0.3417, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

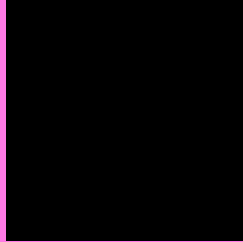
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8922, 0.3417, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 40.8922, 0.3417, 0.2237.



This preview shows how white text looks on a background with the Yxy color 40.8922, 0.3417, 0.2237.

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

40.8922, 0.3417, 0.2237

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.2269, 0.2660, 0.2607



Tritanopia

40.8769, 0.4138, 0.3184

Trichromacy



Original Color

40.8922, 0.3417, 0.2237



Protanomaly

39.1776, 0.2650, 0.2191



Deuteranomaly

39.4948, 0.2900, 0.2420



Tritanomaly

40.4852, 0.3867, 0.2804

Monochromacy



Original Color

40.8922, 0.3417, 0.2237



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.0342, 0.3235, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8922, 0.3417, 0.2237 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, 122, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 230)  
}
```

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, 122, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.8922, 0.3417, 0.2237 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, 122, 230) }
```

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

```
.border{ border-color:rgb(255, 122, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8922, 0.3417, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 230) }
```

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

```
.background{ background-color: rgb(255,  
122, 230) }
```

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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