

Converting Colors

$Y_{xy}(41.2596, 0.3620, 0.2477)$

Have a look what the booklet for
Yxy(41.2596, 0.3620, 0.2477)
contains.

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Color

Yxy(41.3018, 0.3624, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	FF80D1
RGB	255, 128, 209
RGB Percent	100%, 50%, 82%
CMY	0.0000, 0.4981, 0.1804
CMYK	0.00, 0.50, 0.18, 0.00
HSL	322°, 100%, 75%
HSV	322°, 50%, 100%
XYZ	60.4758, 41.3018, 65.0983
YIQ	175.2070, 49.6910, 52.1150

Conversions

Conversions Part 2

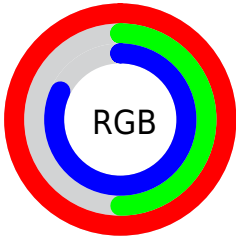
Format	Color
R _Y B	255, 128, 209
Decimal	16744657
CIE Lab	70.39, 57.69, -19.54
CIE LCh	70, 60.912, 341.285
Yxy	41.3018, 0.3624, 0.2475
Android (android.graphics.Color)	4294934737 (0xFFFF80D1)
YUV	175.2070, 16.6599, 69.9785
Hunter-Lab	64.2665, 55.5052, -15.0709

Details

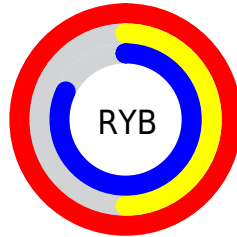
The Yxy color **41.3018, 0.3624, 0.2475** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.1638, 0.2842, 0.4302**, and the grayscale version is **42.8689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.8339, 0.3760, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **35.0168, 0.3769, 0.2339**, and if you desaturate by 10%, it is **49.2752, 0.3493, 0.2632**.

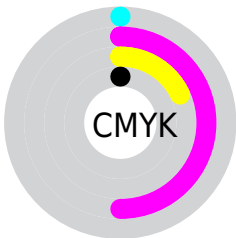
Distribution



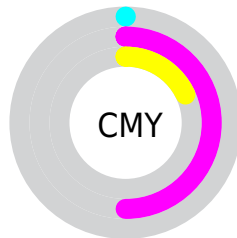
- Red (100%)
- Green (50%)
- Blue (82%)



- Red (100%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (50%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3018, 0.3624, 0.2475 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 41.3018, 0.3624, 0.2475 by changing the saturation by 10% instead.

 41.3018, 0.3624,
0.2475


 41.3018, 0.3624,
0.2475


351.5804, 0.3386,
0.2860

 28.5550, 0.3680,
0.2386


 77.1418, 0.3540,
0.2610

 18.7444, 0.3751,
0.2275

 101.0038, 0.3507,
0.2662

 11.4858, 0.3842,
0.2134


 129.3397, 0.3480,
0.2707

 6.3946, 0.3963,
0.1949

162.5337, 0.3456,
0.2746

 3.0865, 0.4131,
0.1698

200.9705, 0.3435,
0.2780

 1.1770, 0.4377,
0.1345

245.0342, 0.3417,

 0.0428, 0.5124,

0.2810

0.0137

295.1094, 0.3400,
0.2836

■ 0.0000, 0.6565,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.3018, 0.3624,
0.2475

■ 41.3018, 0.3624,
0.2475

■ 35.0168, 0.3769,
0.2339

■ 49.2752, 0.3493,
0.2632

■ 30.3058, 0.3926,
0.2235

■ 59.0657, 0.3378,
0.2799

■ 27.0178, 0.4090,
0.2175

■ 70.7734, 0.3280,
0.2969

■ 24.9782, 0.4254,
0.2166

■ 84.4951, 0.3196,
0.3135

■ 23.9078, 0.4413,
0.2206

100.0000, 0.3127,
0.3290

■ 23.8910, 0.4416,
0.2207

Harmonies

Analogous

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



41.3018, 0.2736, 0.2116



41.3018, 0.3624, 0.2475



41.3018, 0.4456, 0.3000

Triad

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



41.3018, 0.3624, 0.2475



41.3018, 0.4113, 0.4771



41.3018, 0.1657, 0.2583

Complementary

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



41.3018, 0.3624, 0.2475



79.1638, 0.2842, 0.4302

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.



41.3018, 0.1917, 0.3408



41.3018, 0.3624, 0.2475



41.3018, 0.3313, 0.4910

Square

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



41.3018, 0.3624, 0.2475



41.3018, 0.4698, 0.4240



41.3018, 0.2507, 0.4371



41.3018, 0.1714, 0.2120

Rectangle

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



41.3018, 0.3624, 0.2475



41.3018, 0.4788, 0.3402



41.3018, 0.2507, 0.4371



41.3018, 0.1706, 0.2821

Sweetspot

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



41.2972, 0.3624, 0.2475



77.1164, 0.3238, 0.3049



31.4749, 0.2482, 0.1822



15.8986, 0.3256, 0.3014



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.



41.2972, 0.3624, 0.2475



34.9131, 0.3772, 0.2336



38.8021, 0.4328, 0.3097



18.1821, 0.3194, 0.3140



12.5132, 0.4391, 0.2193



1.2393, 0.4220, 0.2098

Inverse Universe

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



41.2972, 0.3624, 0.2475



34.9131, 0.3772, 0.2336



82.1611, 0.2555, 0.3511



18.1821, 0.3194, 0.3140



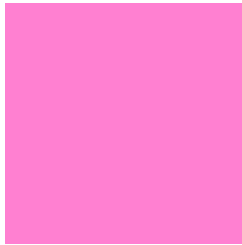
12.5132, 0.4391, 0.2193



1.2393, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 41.3018, 0.3624, 0.2475 looks on a white background.

Color Contrast Check

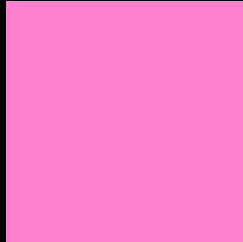
Large Text (above 18pt) WCAG AA × Fail

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 41.3018, 0.3624, 0.2475 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 41.3018, 0.3624, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 41.3018, 0.3624, 0.2475.



This preview shows how white text looks on a background with the Yxy color 41.3018, 0.3624, 0.2475.

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

41.3018, 0.3624, 0.2475

Protanopia

41.6568, 0.2494, 0.2422

Deuteranopia

41.3835, 0.2913, 0.2847



Tritanopia

41.1303, 0.4171, 0.3175

Trichromacy



Original Color

41.3018, 0.3624, 0.2475



Protanomaly

39.8629, 0.2827, 0.2413



Deuteranomaly

40.0276, 0.3147, 0.2663



Tritanomaly

41.0961, 0.3970, 0.2912

Monochromacy



Original Color

41.3018, 0.3624, 0.2475



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.8789, 0.3306, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3018, 0.3624, 0.2475 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 209) }
```

Border

The CSS property to change the border of an element to Yxy 41.3018, 0.3624, 0.2475 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, 209) }
```

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

```
.border{ border-color:rgb(255, 128, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 128, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 128, 209); box-shadow:4px 4px 4px 4px rgb(255, 128, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3018, 0.3624, 0.2475 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
128, 209) }
```

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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