

Converting Colors

$Y_{xy}(41.4461, 0.3581, 0.2436)$

Have a look what the booklet for
Yxy(41.4461, 0.3581, 0.2436)
contains.

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Color

Yxy(41.5024, 0.3582, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	FF80D5
RGB	255, 128, 213
RGB Percent	100%, 50%, 84%
CMY	0.0000, 0.4981, 0.1647
CMYK	0.00, 0.50, 0.16, 0.00
HSL	320°, 100%, 75%
HSV	320°, 50%, 100%
XYZ	60.9769, 41.5024, 67.7521
YIQ	175.6630, 48.4070, 53.3590

Conversions

Conversions Part 2

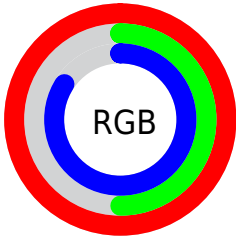
Format	Color
RYB	255, 128, 213
Decimal	16744661
CIELab	70.53, 58.27, -21.56
CIELCh	71, 62.136, 339.695
Yxy	41.5024, 0.3582, 0.2438
Android (android.graphics.Color)	4294934741 (0xFFFF80D5)
YUV	175.6630, 18.4071, 69.5785
Hunter-Lab	64.4224, 56.2142, -17.2588

Details

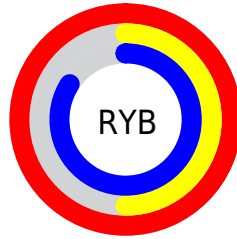
The Yxy color **41.5024, 0.3582, 0.2438** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.0097, 0.2861, 0.4354**, and the grayscale version is **43.1107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.8391, 0.3702, 0.2231** is the 20% darker color. If you saturate the color by 10%, you get **35.2462, 0.3713, 0.2296**, and if you desaturate by 10%, it is **49.4462, 0.3463, 0.2602**.

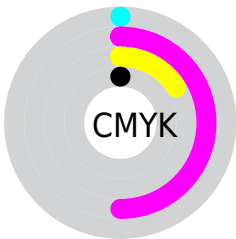
Distribution



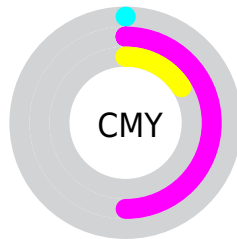
- Red (100%)
- Green (50%)
- Blue (84%)



- Red (100%)
- Yellow (50%)
- Blue (84%)



- Cyan (0%)
- Magenta (50%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5024, 0.3582, 0.2438 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 41.5024, 0.3582, 0.2438 by changing the saturation by 10% instead.


 41.5024, 0.3582,
0.2438

 41.5024, 0.3582,
0.2438


352.4160, 0.3366,
0.2838


 28.7119, 0.3632,
0.2346


 77.4460, 0.3506,
0.2578

 18.8630, 0.3695,
0.2232


 101.3678, 0.3477,
0.2632

 11.5713, 0.3774,
0.2087


 129.7688, 0.3452,
0.2678

 6.4525, 0.3879,
0.1899

163.0335, 0.3430,
0.2719

 3.1221, 0.4022,
0.1645

201.5461, 0.3411,
0.2754

 1.1958, 0.4226,
0.1292

245.6912, 0.3395,

 0.0583, 0.4834,

0.2786

0.0171

295.8530, 0.3380,
0.2813

■ 0.0000, 0.5380,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5024, 0.3582,
0.2438

■ 41.5024, 0.3582,
0.2438

■ 35.2462, 0.3713,
0.2296

■ 49.4462, 0.3463,
0.2602

■ 30.5581, 0.3854,
0.2186

■ 59.2009, 0.3359,
0.2776

■ 27.2890, 0.3999,
0.2120

■ 70.8684, 0.3268,
0.2953

■ 25.2644, 0.4145,
0.2104

■ 84.5453, 0.3191,
0.3127

■ 24.2053, 0.4286,
0.2135

100.0000, 0.3127,
0.3290

■ 24.1886, 0.4289,
0.2136

Harmonies

Analogous

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



41.5024, 0.2685, 0.2086



41.5024, 0.3582, 0.2438



41.5024, 0.4444, 0.2963

Triad

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



41.5024, 0.3582, 0.2438



41.5024, 0.4164, 0.4772



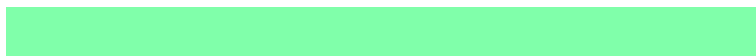
41.5024, 0.1640, 0.2605

Complementary

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



41.5024, 0.3582, 0.2438



79.0097, 0.2861, 0.4354

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.



41.5024, 0.1921, 0.3461



41.5024, 0.3582, 0.2438



41.5024, 0.3358, 0.4951

Square

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



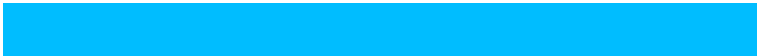
41.5024, 0.3582, 0.2438



41.5024, 0.4744, 0.4217



41.5024, 0.2535, 0.4439



41.5024, 0.1683, 0.2117

Rectangle

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



41.5024, 0.3582, 0.2438



41.5024, 0.4800, 0.3367



41.5024, 0.2535, 0.4439



41.5024, 0.1696, 0.2852

Sweetspot

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



41.4995, 0.3582, 0.2438



77.1890, 0.3230, 0.3038



31.0027, 0.2449, 0.1809



15.9162, 0.3246, 0.3001



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.



41.4995, 0.3582, 0.2438



35.1423, 0.3715, 0.2293



38.9383, 0.4278, 0.3053



18.1922, 0.3189, 0.3132



12.6678, 0.4266, 0.2124



1.2537, 0.4114, 0.2040

Inverse Universe

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



41.4995, 0.3582, 0.2438



35.1423, 0.3715, 0.2293



81.9182, 0.2574, 0.3563



18.1922, 0.3189, 0.3132



12.6678, 0.4266, 0.2124



1.2537, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 41.5024, 0.3582, 0.2438 looks on a white background.

Color Contrast Check

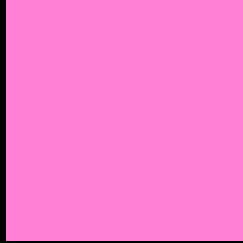
Large Text (above 18pt) WCAG AA × Fail

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 41.5024, 0.3582, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

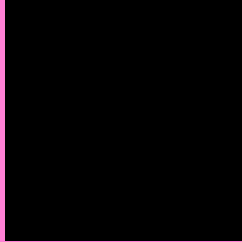
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5024, 0.3582, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 41.5024, 0.3582, 0.2438.



This preview shows how white text looks on a background with the Yxy color 41.5024, 0.3582, 0.2438.

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

41.5024, 0.3582, 0.2438

Protanopia

41.7651, 0.2453, 0.2367

Deuteranopia

41.7164, 0.2867, 0.2810



Tritanopia

41.4565, 0.4156, 0.3175

Trichromacy



Original Color

41.5024, 0.3582, 0.2438



Protanomaly

40.0172, 0.2783, 0.2361



Deuteranomaly

40.4112, 0.3103, 0.2629



Tritanomaly

41.1735, 0.3948, 0.2891

Monochromacy



Original Color

41.5024, 0.3582, 0.2438



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.4495, 0.3296, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5024, 0.3582, 0.2438 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 213) }
```

Border

The CSS property to change the border of an element to Yxy 41.5024, 0.3582, 0.2438 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, 213) }
```

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

```
.border{ border-color:rgb(255, 128, 213) }
```

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, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5024, 0.3582, 0.2438 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
128, 213) }
```

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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