

# Converting Colors

$Y_{xy}(41.3212, 0.3632, 0.2485)$

Have a look what the booklet for  
Yxy(41.3212, 0.3632, 0.2485)  
contains.

<b>Yxy(41.2524, 0.3634, 0.2484)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.2524, 0.3634, 0.2484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80D0
RGB	255, 128, 208
RGB Percent	100%, 50%, 82%
CMY	0.0000, 0.4981, 0.1842
CMYK	0.00, 0.50, 0.18, 0.00
HSL	322°, 100%, 75%
HSV	322°, 50%, 100%
XYZ	60.3507, 41.2524, 64.4693
YIQ	175.0930, 50.0120, 51.8040

# Conversions

## Conversions Part 2

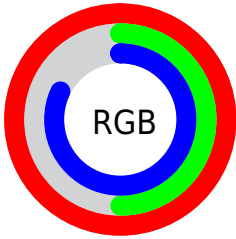
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 128, 208
Decimal	16744656
CIE Lab	70.35, 57.54, -19.06
CIE LCh	70, 60.618, 341.674
Yxy	41.2524, 0.3634, 0.2484
Android (android.graphics.Color)	4294934736 (0xFFFF80D0)
YUV	175.0930, 16.2232, 70.0784
Hunter-Lab	64.2280, 55.3253, -14.5531

# Details

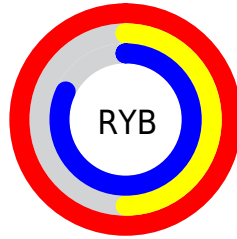
The Yxy color **41.2524, 0.3634, 0.2484** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.2025, 0.2837, 0.4289**, and the grayscale version is **42.8131, 0.3127, 0.3290**.

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 **34.9641, 0.3783, 0.2349**, and if you desaturate by 10%, it is **49.2370, 0.3500, 0.2639**.

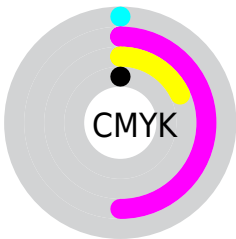
# Distribution



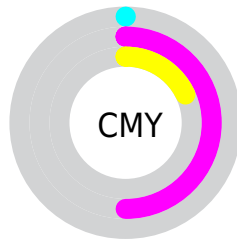
- Red (100%)
- Green (50%)
- Blue (82%)



- 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 41.2524, 0.3634, 0.2484 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 41.2524, 0.3634, 0.2484 by changing the saturation by 10% instead.





 41.2524, 0.3634,  
0.2484


 41.2524, 0.3634,  
0.2484


351.3744, 0.3390,  
0.2866

 28.5164, 0.3692,  
0.2395


 77.0669, 0.3548,  
0.2618

 18.7153, 0.3764,  
0.2285


 100.9141, 0.3515,  
0.2669

 11.4647, 0.3858,  
0.2145


 129.2339, 0.3486,  
0.2714

 6.3803, 0.3983,  
0.1961

162.4106, 0.3462,  
0.2752

 3.0777, 0.4157,  
0.1711

200.8286, 0.3440,  
0.2786

 1.1724, 0.4414,  
0.1358

244.8723, 0.3422,

 0.0390, 0.5196,

0.2815

0.0127

294.9261, 0.3405,  
0.2842

■ 0.0000, 0.6967,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.2524, 0.3634,  
0.2484

■ 41.2524, 0.3634,  
0.2484

■ 34.9641, 0.3783,  
0.2349

■ 49.2370, 0.3500,  
0.2639

■ 30.2475, 0.3944,  
0.2247

■ 59.0365, 0.3383,  
0.2805

■ 26.9549, 0.4112,  
0.2188

■ 70.7543, 0.3283,  
0.2973

■ 24.9118, 0.4281,  
0.2181

■ 84.4873, 0.3197,  
0.3136

■ 23.8390, 0.4444,  
0.2223

100.0000, 0.3127,  
0.3290

■ 23.8219, 0.4448,  
0.2224

# Harmonies

## Analogous

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



41.2524, 0.2748, 0.2124



41.2524, 0.3634, 0.2484



41.2524, 0.4459, 0.3009

# Triad

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



41.2524, 0.3634, 0.2484



41.2524, 0.4100, 0.4770



41.2524, 0.1661, 0.2579

# Complementary

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



41.2524, 0.3634, 0.2484



79.2025, 0.2837, 0.4289

# 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.



41.2524, 0.1916, 0.3395



41.2524, 0.3634, 0.2484



41.2524, 0.3302, 0.4900

# Square

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



41.2524, 0.3634, 0.2484



41.2524, 0.4687, 0.4245



41.2524, 0.2501, 0.4355



41.2524, 0.1722, 0.2121



# Rectangle

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



41.2524, 0.3634, 0.2484



41.2524, 0.4785, 0.3410



41.2524, 0.2501, 0.4355



41.2524, 0.1709, 0.2813

# Sweetspot

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



41.2512, 0.3634, 0.2484



77.0989, 0.3240, 0.3052



31.7194, 0.2498, 0.1828



15.8944, 0.3258, 0.3017



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.



41.2512, 0.3634, 0.2484



34.8588, 0.3786, 0.2347



38.7381, 0.4353, 0.3119



18.1797, 0.3195, 0.3141



12.4773, 0.4422, 0.2209



1.2360, 0.4246, 0.2113



# Inverse Universe

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



41.2512, 0.3634, 0.2484



34.8588, 0.3786, 0.2347



82.2854, 0.2546, 0.3486



18.1797, 0.3195, 0.3141



12.4773, 0.4422, 0.2209



1.2360, 0.4246, 0.2113



# Previews

## White Background



This preview shows how the Yxy color 41.2524, 0.3634, 0.2484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

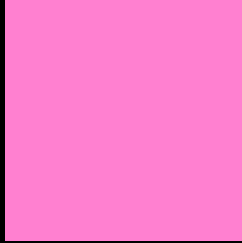
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.2524, 0.3634, 0.2484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

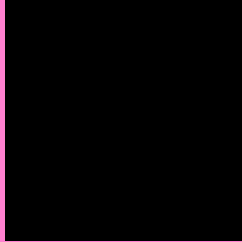
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2524, 0.3634, 0.2484**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2524, 0.3634, 0.2484.

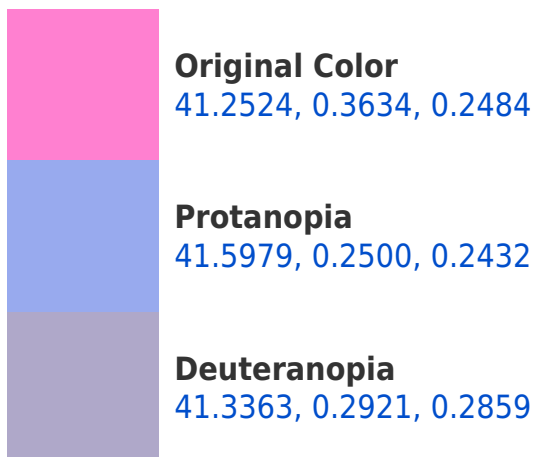


This preview shows how white text looks on a background with the Yxy color 41.2524, 0.3634, 0.2484.

# 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

41.0979, 0.4182, 0.3186

# Trichromacy



## Original Color

41.2524, 0.3634, 0.2484



## Protanomaly

39.8076, 0.2835, 0.2423



## Deuteranomaly

39.9795, 0.3156, 0.2674



## Tritanomaly

41.0578, 0.3981, 0.2922

# Monochromacy



## Original Color

41.2524, 0.3634, 0.2484



## 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 41.2524, 0.3634, 0.2484 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2524, 0.3634, 0.2484 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, 208) }
```

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

```
.border{ border-color:rgb(255, 128, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2524, 0.3634, 0.2484 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
128, 208) }
```

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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