

# Converting Colors

Yxy(40.2024, 0.3950, 0.2803)

Have a look what the booklet for  
Yxy(40.2024, 0.3950, 0.2803)  
contains.

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# Color

**Yxy(40.0222, 0.3952, 0.2803)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD82B1
RGB	253, 130, 177
RGB Percent	99%, 51%, 69%
CMY	0.0078, 0.4902, 0.3060
CMYK	0.00, 0.49, 0.30, 0.01
HSL	337°, 97%, 75%
HSV	337°, 49%, 99%
XYZ	56.4280, 40.0222, 46.3332
YIQ	172.1350, 58.2210, 40.6930

# Conversions

## Conversions Part 2

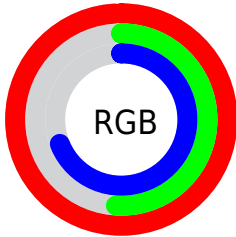
Format	Color
R <sub>Y</sub> B	253, 130, 177
Decimal	16614065
CIE Lab	69.49, 51.76, -3.04
CIE LCh	69, 51.850, 356.635
Yxy	40.0222, 0.3952, 0.2803
Android (android.graphics.Color)	4294804145 (0xFFFD82B1)
YUV	172.1350, 2.3984, 70.9186
Hunter-Lab	63.2631, 48.5040, 0.8608

# Details

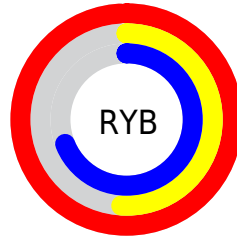
The Yxy color **40.0222, 0.3952, 0.2803** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.4630, 0.2696, 0.3862**, and the grayscale version is **41.2928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2610, 0.3326, 0.2817**, and **17.9870, 0.4180, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **33.5124, 0.4224, 0.2722**, and if you desaturate by 10%, it is **48.2619, 0.3718, 0.2900**.

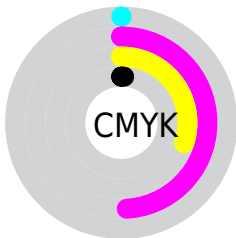
# Distribution



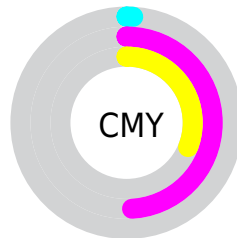
- Red (99%)
- Green (51%)
- Blue (69%)



- Red (99%)
- Yellow (51%)
- Blue (69%)



- Cyan (0%)
- Magenta (49%)
- Yellow (30%)
- Black (1%)




- Cyan (1%)
- Magenta (49%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0222, 0.3952, 0.2803 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 40.0222, 0.3952, 0.2803 by changing the saturation by 10% instead.





 40.0222, 0.3952,  
0.2803


 40.0222, 0.3952,  
0.2803


346.2171, 0.3533,  
0.3048


 27.5559, 0.4058,  
0.2742


 75.1973, 0.3798,  
0.2892

 17.9911, 0.4195,  
0.2664

 98.6749, 0.3741,  
0.2925

 10.9436, 0.4379,  
0.2560

 126.5916, 0.3693,  
0.2954

 6.0289, 0.4636,  
0.2415

159.3320, 0.3652,  
0.2978

 2.8627, 0.5021,  
0.2203

197.2803, 0.3616,  
0.2999

 1.0605, 0.5649,  
0.1866

240.8210, 0.3585,

 0.0000, 0.8936,

0.3017

0.0000

290.3385, 0.3557,  
0.3033

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

40.0222, 0.3952,  
0.2803

40.0222, 0.3952,  
0.2803

33.5124, 0.4224,  
0.2722

48.2619, 0.3718,  
0.2900

28.6007, 0.4527,  
0.2670

58.3388, 0.3521,  
0.3004

25.1458, 0.4849,  
0.2658

70.3584, 0.3357,  
0.3108

22.9784, 0.5168,  
0.2699

84.4164, 0.3223,  
0.3208

■ 21.8576, 0.5461,  
0.2789

99.6251, 0.3115,  
0.3290

■ 21.7411, 0.5499,  
0.2803

# Harmonies

## Analogous

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



40.0222, 0.3175, 0.2394



40.0222, 0.3952, 0.2803



40.0222, 0.4510, 0.3326

# Triad

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



40.0222, 0.3952, 0.2803



40.0222, 0.3666, 0.4689



40.0222, 0.1819, 0.2436

# Complementary

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



40.0222, 0.3952, 0.2803



79.4630, 0.2696, 0.3862

# 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.



40.0222, 0.1910, 0.3008



40.0222, 0.3952, 0.2803



40.0222, 0.2936, 0.4496

# Square

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



40.0222, 0.3952, 0.2803



40.0222, 0.4289, 0.4402



40.0222, 0.2298, 0.3808



40.0222, 0.2010, 0.2168



# Rectangle

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



40.0222, 0.3952, 0.2803



40.0222, 0.4638, 0.3701



40.0222, 0.2298, 0.3808



40.0222, 0.1817, 0.2593

# Sweetspot

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



40.0242, 0.3952, 0.2803



76.5466, 0.3306, 0.3145



36.1600, 0.2771, 0.1960



15.7616, 0.3335, 0.3123



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.



40.0242, 0.3952, 0.2803



34.4614, 0.4206, 0.2726



42.5505, 0.4416, 0.3443



18.1019, 0.3234, 0.3200



11.5903, 0.5458, 0.2780



1.1490, 0.5150, 0.2611



# Inverse Universe

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



40.0242, 0.3952, 0.2803



34.4614, 0.4206, 0.2726



73.3739, 0.2454, 0.3120



18.1019, 0.3234, 0.3200



11.5903, 0.5458, 0.2780

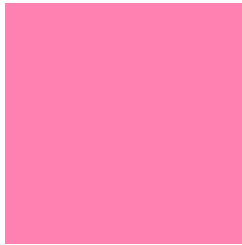


1.1490, 0.5150, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 40.0222, 0.3952, 0.2803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

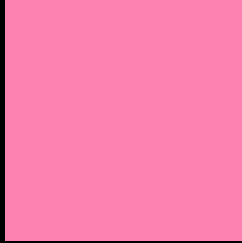
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.0222, 0.3952, 0.2803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

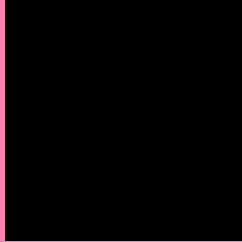
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.0222, 0.3952, 0.2803**

## Background



This preview shows how black text looks on a background with the Yxy color 40.0222, 0.3952, 0.2803.



This preview shows how white text looks on a background with the Yxy color 40.0222, 0.3952, 0.2803.

# 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

40.0222, 0.3952, 0.2803

### Protanopia

40.4855, 0.2830, 0.2861

### Deuteranopia

40.2896, 0.3272, 0.3211



## Tritanopia

40.0076, 0.4255, 0.3187

# Trichromacy



## Original Color

40.0222, 0.3952, 0.2803



## Protanomaly

38.9842, 0.3187, 0.2824



## Deuteranomaly

39.1752, 0.3509, 0.3031



## Tritanomaly

39.9937, 0.4148, 0.3050

# Monochromacy



## Original Color

40.0222, 0.3952, 0.2803



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

39.5874, 0.3401, 0.3075

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0222, 0.3952, 0.2803 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(253, 130, 177)` looks like.

```
.text, #text, p{  
    color:rgb(253, 130, 177)  
}
```

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(253, 130, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 130, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0222, 0.3952, 0.2803 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(253, 130, 177) }
```

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

```
.border{ border-color:rgb(253, 130, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 130, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 130, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 130, 177); box-shadow:4px 4px 4px 4px rgb(253, 130, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0222, 0.3952, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 130, 177) }
```

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

```
.background{ background-color: rgb(253,  
130, 177) }
```

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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