

# Converting Colors

Yxy(34.9289, 0.4049, 0.2603)

Have a look what the booklet for  
Yxy(34.9289, 0.4049, 0.2603)  
contains.

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**Color**

**Yxy(34.9100, 0.4049, 0.2601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6BB0
RGB	255, 107, 176
RGB Percent	100%, 42%, 69%
CMY	0.0000, 0.5805, 0.3097
CMYK	0.00, 0.58, 0.31, 0.00
HSL	332°, 100%, 71%
HSV	332°, 58%, 100%
XYZ	54.3447, 34.9100, 44.9629
YIQ	159.1180, 66.0590, 52.8350

# Conversions

## Conversions Part 2

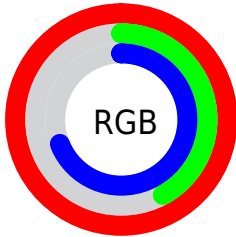
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 107, 176
Decimal	16739248
CIE <sub>Lab</sub>	65.68, 62.93, -8.11
CIE <sub>LCh</sub>	66, 63.453, 352.658
Yxy	34.9100, 0.4049, 0.2601
Android (android.graphics.Color)	4294929328 (0xFFFF6BB0)
YUV	159.1180, 8.3228, 84.0885
Hunter-Lab	59.0847, 60.7819, -3.7599

# Details

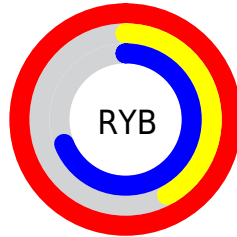
The Yxy color **34.9100, 0.4049, 0.2601** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.1872, 0.2700, 0.4165**, and the grayscale version is **34.6601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6371, 0.3357, 0.2607**, and **15.0904, 0.4325, 0.2403** is the 20% darker color. If you saturate the color by 10%, you get **29.8395, 0.4300, 0.2527**, and if you desaturate by 10%, it is **41.5934, 0.3823, 0.2704**.

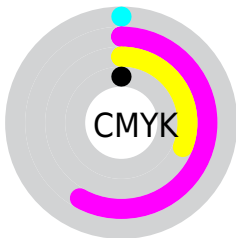
# Distribution



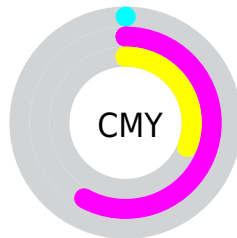
- Red (100%)
- Green (42%)
- Blue (69%)



- Red (100%)
- Yellow (42%)
- Blue (69%)



- Cyan (0%)
- Magenta (58%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (58%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9100, 0.4049, 0.2601 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 34.9100, 0.4049, 0.2601 by changing the saturation by 10% instead.





 34.9100, 0.4049,  
0.2601


 34.9100, 0.4049,  
0.2601


324.1709, 0.3576,  
0.2946


 23.5936, 0.4170,  
0.2516


 67.3463, 0.3875,  
0.2726


 15.0324, 0.4327,  
0.2407


 89.2350, 0.3810,  
0.2773

 8.8421, 0.4537,  
0.2263


 115.4165, 0.3756,  
0.2813

 4.6383, 0.4834,  
0.2066

 146.2753, 0.3709,  
0.2847

 2.0367, 0.5280,  
0.1782

182.1957, 0.3669,  
0.2876

 0.6286, 0.6036,  
0.1305

223.5622, 0.3634,

 0.0000, 0.9600,

0.2902

0.0000

270.7591, 0.3604,  
0.2925

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

34.9100, 0.4049,  
0.2601

34.9100, 0.4049,  
0.2601

29.8395, 0.4300,  
0.2527

41.5934, 0.3823,  
0.2704

26.2501, 0.4569,  
0.2495


50.0284, 0.3627,  
0.2823


23.9682, 0.4839,  
0.2516

60.3249, 0.3460,  
0.2949

22.7635, 0.5097,  
0.2591

72.5871, 0.3321,  
0.3075

 22.5909, 0.5146,  
0.2608

 86.9114, 0.3205,  
0.3197

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.9100, 0.3043, 0.2142



34.9100, 0.4049, 0.2601



34.9100, 0.4829, 0.3203

# Triad

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



34.9100, 0.4049, 0.2601



34.9100, 0.3862, 0.5043



34.9100, 0.1526, 0.2273

# Complementary

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



34.9100, 0.4049, 0.2601



78.1872, 0.2700, 0.4165

# 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.



34.9100, 0.1663, 0.3021



34.9100, 0.4049, 0.2601



34.9100, 0.2965, 0.4962

# Square

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



34.9100, 0.4049, 0.2601



34.9100, 0.4622, 0.4541



34.9100, 0.2160, 0.4102



34.9100, 0.1710, 0.1929



# Rectangle

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



34.9100, 0.4049, 0.2601



34.9100, 0.5029, 0.3642



34.9100, 0.2160, 0.4102



34.9100, 0.1535, 0.2474

# Sweetspot

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



34.9060, 0.4049, 0.2601



73.9911, 0.3307, 0.3088



28.1596, 0.2569, 0.1662



15.2658, 0.3333, 0.3063



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.



34.9060, 0.4049, 0.2601



29.0281, 0.4352, 0.2517



33.8894, 0.4899, 0.3342



18.1281, 0.3221, 0.3180



11.8337, 0.5107, 0.2587



1.1740, 0.4834, 0.2437



# Inverse Universe

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



34.9060, 0.4049, 0.2601



29.0281, 0.4352, 0.2517



78.7564, 0.2392, 0.3230



18.1281, 0.3221, 0.3180



11.8337, 0.5107, 0.2587

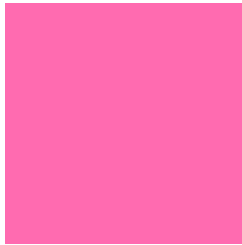


1.1740, 0.4834, 0.2437



# Previews

## White Background



This preview shows how the Yxy color 34.9100, 0.4049, 0.2601 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 34.9100, 0.4049, 0.2601 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 34.9100, 0.4049, 0.2601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.9100, 0.4049, 0.2601.



This preview shows how white text looks on a background with the Yxy color 34.9100, 0.4049, 0.2601.

# 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

34.9100, 0.4049, 0.2601

### Protanopia

35.2179, 0.2610, 0.2574

### Deuteranopia

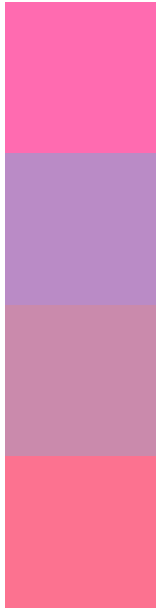
34.9652, 0.3156, 0.3093



## Tritanopia

34.9725, 0.4596, 0.3213

# Trichromacy



## Original Color

34.9100, 0.4049, 0.2601

## Protanomaly

32.9816, 0.3044, 0.2530

## Deuteranomaly

33.7121, 0.3466, 0.2857

## Tritanomaly

34.7437, 0.4401, 0.2987

# Monochromacy



## Original Color

34.9100, 0.4049, 0.2601

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

32.9421, 0.3452, 0.2960

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.9100, 0.4049, 0.2601 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, 107, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 176)  
}
```

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, 107, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 34.9100, 0.4049, 0.2601 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, 107, 176) }
```

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

```
.border{ border-color:rgb(255, 107, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.9100, 0.4049, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 176) }
```

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

```
.background{ background-color: rgb(255,  
107, 176) }
```

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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