

# Converting Colors

$Y_{xy}(35.0991, 0.3726, 0.2301)$

Have a look what the booklet for  
Yxy(35.0991, 0.3726, 0.2301)  
contains.

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**Color**

**Yxy(35.1224, 0.3720, 0.2297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF66CC
RGB	255, 102, 204
RGB Percent	100%, 40%, 80%
CMY	0.0001, 0.5998, 0.2000
CMYK	0.00, 0.60, 0.20, 0.00
HSL	320°, 100%, 70%
HSV	320°, 60%, 100%
XYZ	56.8809, 35.1224, 60.9023
YIQ	159.3750, 58.4460, 64.1580

# Conversions

## Conversions Part 2

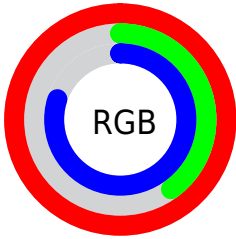
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 204
Decimal	16737996
CIE Lab	65.84, 68.58, -23.68
CIE LCh	66, 72.550, 340.953
Yxy	35.1224, 0.3720, 0.2297
Android (android.graphics.Color)	4294928076 (0xFFFF66CC)
YUV	159.3750, 22.0001, 83.8631
Hunter-Lab	59.2642, 67.6094, -19.4439

# Details

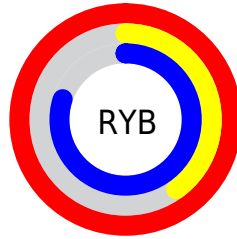
The Yxy color **35.1224, 0.3720, 0.2297** is a light color, and the websafe version is hex **FF66CC**, and the color name is **rose pink**. A complement of this color would be **76.6277, 0.2829, 0.4614**, and the grayscale version is **34.7349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.1903, 0.3870, 0.2048** is the 20% darker color. If you saturate the color by 10%, you get **30.4607, 0.3862, 0.2188**, and if you desaturate by 10%, it is **41.3505, 0.3587, 0.2439**.

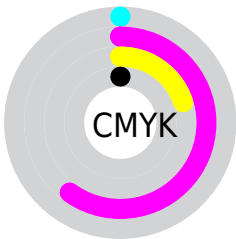
# Distribution



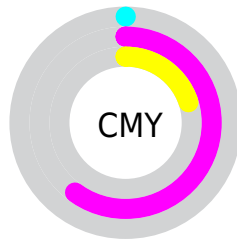
- Red (100%)
- Green (40%)
- Blue (80%)



- Red (100%)
- Yellow (40%)
- Blue (80%)



- Cyan (0%)
- Magenta (60%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1224, 0.3720, 0.2297 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 35.1224, 0.3720, 0.2297 by changing the saturation by 10% instead.





 35.1224, 0.3720,  
0.2297


 35.1224, 0.3720,  
0.2297


325.1083, 0.3433,  
0.2769

 23.7572, 0.3788,  
0.2187


 67.6753, 0.3618,  
0.2463


 15.1536, 0.3874,  
0.2051


 89.6318, 0.3579,  
0.2527

 8.9273, 0.3984,  
0.1878


 115.8876, 0.3546,  
0.2582

 4.6938, 0.4131,  
0.1653

 146.8269, 0.3517,  
0.2629

 2.0687, 0.4333,  
0.1352

182.8343, 0.3492,  
0.2671

 0.6470, 0.4638,  
0.0916

224.2940, 0.3470,

 0.0000, 0.5273,

0.2708

0.0000

271.5905, 0.3451,  
0.2740

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.1224, 0.3720,  
0.2297

■ 35.1224, 0.3720,  
0.2297

■ 30.4607, 0.3862,  
0.2188

■ 41.3505, 0.3587,  
0.2439

■ 27.2134, 0.4010,  
0.2124

■ 49.2679, 0.3468,  
0.2601

■ 25.2073, 0.4156,  
0.2109

■ 58.9914, 0.3362,  
0.2775

■ 24.1573, 0.4299,  
0.2142

■ 70.6258, 0.3271,  
0.2952

■ 24.1555, 0.4299,  
0.2142

■ 84.2678, 0.3193,  
0.3125

99.9932, 0.3127,  
0.3290

99.9941, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.1224, 0.2619, 0.1886



35.1224, 0.3720, 0.2297



35.1224, 0.4783, 0.2898

# Triad

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



35.1224, 0.3720, 0.2297



35.1224, 0.4269, 0.5062



35.1224, 0.1372, 0.2395

# Complementary

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



35.1224, 0.3720, 0.2297



76.6277, 0.2829, 0.4614

# 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.



35.1224, 0.1653, 0.3421



35.1224, 0.3720, 0.2297



35.1224, 0.3301, 0.5362

# Square

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



35.1224, 0.3720, 0.2297



35.1224, 0.5015, 0.4342



35.1224, 0.2339, 0.4707



35.1224, 0.1444, 0.1871



# Rectangle

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



35.1224, 0.3720, 0.2297



35.1224, 0.5191, 0.3355



35.1224, 0.2339, 0.4707



35.1224, 0.1423, 0.2679

# Sweetspot

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



35.1241, 0.3720, 0.2297



73.1834, 0.3254, 0.2986



23.5028, 0.2294, 0.1500



14.8713, 0.3279, 0.2935



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.



35.1241, 0.3720, 0.2297



29.7035, 0.3892, 0.2172



32.3111, 0.4701, 0.3047



18.1914, 0.3189, 0.3133



12.6541, 0.4277, 0.2130



1.2524, 0.4123, 0.2045



# Inverse Universe

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



35.1241, 0.3720, 0.2297



29.7035, 0.3892, 0.2172



80.0113, 0.2492, 0.3597



18.1914, 0.3189, 0.3133



12.6541, 0.4277, 0.2130

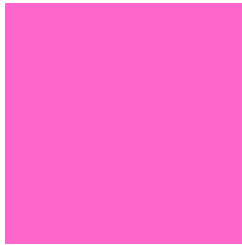


1.2524, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 35.1224, 0.3720, 0.2297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

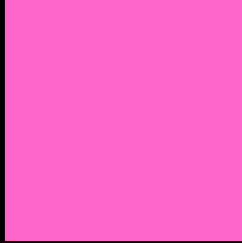
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1224, 0.3720, 0.2297 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 35.1224, 0.3720, 0.2297**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1224, 0.3720, 0.2297.



This preview shows how white text looks on a background with the Yxy color 35.1224, 0.3720, 0.2297.

# 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

35.1224, 0.3720, 0.2297

### Protanopia

35.4349, 0.2285, 0.2145

### Deuteranopia

35.3232, 0.2816, 0.2762



## Tritanopia

34.9744, 0.4520, 0.3200

# Trichromacy



## Original Color

35.1224, 0.3720, 0.2297



## Protanomaly

32.7748, 0.2673, 0.2134



## Deuteranomaly

33.3060, 0.3113, 0.2521



## Tritanomaly

34.7198, 0.4242, 0.2850

# Monochromacy



## Original Color

35.1224, 0.3720, 0.2297



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

32.7414, 0.3350, 0.2807

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1224, 0.3720, 0.2297 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, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 204)  
}
```

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, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1224, 0.3720, 0.2297 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, 102, 204) }
```

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

```
.border{ border-color:rgb(255, 102, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1224, 0.3720, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 204) }
```

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

```
.background{ background-color: rgb(255,  
102, 204) }
```

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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