

# Converting Colors

$Y_{xy}(34.1143, 0.3665, 0.2196)$

Have a look what the booklet for  
Yxy(34.1143, 0.3665, 0.2196)  
contains.

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# Color

**Yxy(34.0976, 0.3661, 0.2191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5FD2
RGB	255, 95, 210
RGB Percent	100%, 37%, 82%
CMY	0.0000, 0.6276, 0.1765
CMYK	0.00, 0.63, 0.18, 0.00
HSL	317°, 100%, 69%
HSV	317°, 63%, 100%
XYZ	56.9746, 34.0976, 64.5536
YIQ	155.9500, 58.4450, 69.6850

# Conversions

## Conversions Part 2

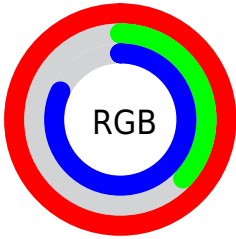
Format	Color
R <sub>Y</sub> B	255, 95, 210
Decimal	16736210
CIE Lab	65.04, 72.27, -28.29
CIE LCh	65, 77.614, 338.622
Yxy	34.0976, 0.3661, 0.2191
Android (android.graphics.Color)	4294926290 (0xFFFF5FD2)
YUV	155.9500, 26.6467, 86.8669
Hunter-Lab	58.3932, 71.9756, -24.6698

# Details

The Yxy color **34.0976, 0.3661, 0.2191** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.8439, 0.2859, 0.4797**, and the grayscale version is **33.0737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **14.6219, 0.3798, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **29.8785, 0.3778, 0.2084**, and if you desaturate by 10%, it is **39.8257, 0.3549, 0.2334**.

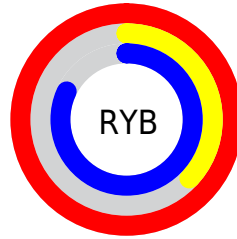
# Distribution



Red (100%)

Green (37%)

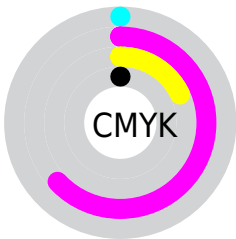
Blue (82%)



Red (100%)

Yellow (37%)

Blue (82%)

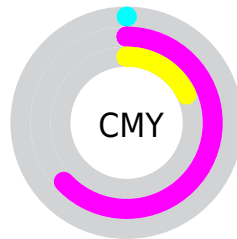


Cyan (0%)

Magenta (63%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (63%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0976, 0.3661, 0.2191 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 34.0976, 0.3661, 0.2191 by changing the saturation by 10% instead.





 34.0976, 0.3661,  
0.2191


 34.0976, 0.3661,  
0.2191


320.5670, 0.3409,  
0.2709


 22.9686, 0.3719,  
0.2072


 66.0854, 0.3573,  
0.2372


 14.5703, 0.3791,  
0.1926


 87.7130, 0.3539,  
0.2442

 8.5184, 0.3882,  
0.1742


 113.6089, 0.3509,  
0.2502

 4.4284, 0.3999,  
0.1505

 144.1575, 0.3484,  
0.2554

 1.9160, 0.4153,  
0.1196

179.7433, 0.3462,  
0.2600

 0.5580, 0.4380,  
0.0743

220.7505, 0.3442,

 0.0000, 0.4758,

0.2641

0.0000

267.5636, 0.3424,  
0.2677

■ 0.0000, 0.5213,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.0976, 0.3661,  
0.2191

■ 34.0976, 0.3661,  
0.2191

■ 29.8785, 0.3778,  
0.2084

■ 39.8257, 0.3549,  
0.2334

■ 27.0295, 0.3897,  
0.2023

■ 47.2098, 0.3446,  
0.2502


■ 25.3603, 0.4014,  
0.2012

■ 56.3632, 0.3353,  
0.2685

■ 24.6914, 0.4096,  
0.2030

■ 67.3933, 0.3272,  
0.2874

 80.3987, 0.3202,  
0.3061

 95.4712, 0.3142,  
0.3242

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.



34.0976, 0.2500, 0.1781



34.0976, 0.3661, 0.2191



34.0976, 0.4840, 0.2806

# Triad

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



34.0976, 0.3661, 0.2191



34.0976, 0.4384, 0.5106



34.0976, 0.1278, 0.2383

# Complementary

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



34.0976, 0.3661, 0.2191



75.8439, 0.2859, 0.4797

# 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.



34.0976, 0.1593, 0.3526



34.0976, 0.3661, 0.2191



34.0976, 0.3365, 0.5541

# Square

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



34.0976, 0.3661, 0.2191



34.0976, 0.5168, 0.4305



34.0976, 0.2340, 0.4935



34.0976, 0.1331, 0.1805



# Rectangle

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



34.0976, 0.3661, 0.2191



34.0976, 0.5314, 0.3276



34.0976, 0.2340, 0.4935



34.0976, 0.1338, 0.2699

# Sweetspot

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



34.0928, 0.3661, 0.2191



72.0413, 0.3244, 0.2945



20.7726, 0.2167, 0.1383



14.6567, 0.3265, 0.2891



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.



34.0928, 0.3661, 0.2191



29.1263, 0.3805, 0.2066



31.1139, 0.4673, 0.2936



18.2081, 0.3181, 0.3121



12.9286, 0.4078, 0.2020



1.2775, 0.3956, 0.1953



# Inverse Universe

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



34.0928, 0.3661, 0.2191



29.1263, 0.3805, 0.2066



78.9956, 0.2520, 0.3750



18.2081, 0.3181, 0.3121



12.9286, 0.4078, 0.2020



1.2775, 0.3956, 0.1953



# Previews

## White Background



This preview shows how the Yxy color 34.0976, 0.3661, 0.2191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

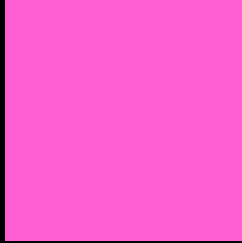
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0976, 0.3661, 0.2191 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 34.0976, 0.3661, 0.2191**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0976, 0.3661, 0.2191.

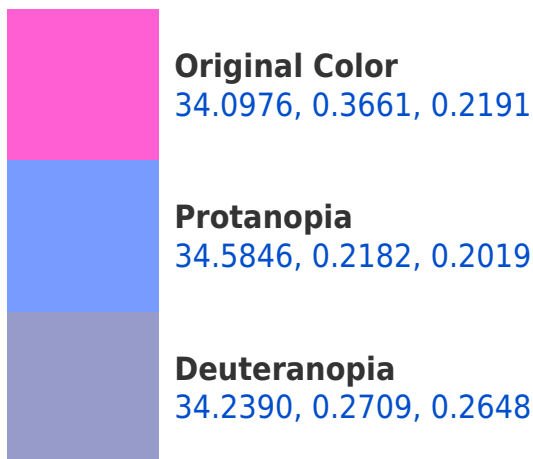


This preview shows how white text looks on a background with the Yxy color 34.0976, 0.3661, 0.2191.

# 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

33.9774, 0.4576, 0.3211

# Trichromacy



## Original Color

34.0976, 0.3661, 0.2191



## Protanomaly

31.3319, 0.2554, 0.1995



## Deuteranomaly

31.9535, 0.3019, 0.2395



## Tritanomaly

33.6616, 0.4247, 0.2809

# Monochromacy



## Original Color

34.0976, 0.3661, 0.2191



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

31.3913, 0.3324, 0.2739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0976, 0.3661, 0.2191 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, 95, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 210)  
}
```

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, 95, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0976, 0.3661, 0.2191 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, 95, 210) }
```

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

```
.border{ border-color:rgb(255, 95, 210) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0976, 0.3661, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 210) }
```

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

```
.background{ background-color: rgb(255, 95,  
210) }
```

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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