

# Converting Colors

$Y_{xy}(31.5869, 0.3701, 0.2204)$

Have a look what the booklet for  
Yxy(31.5869, 0.3701, 0.2204)  
contains.

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**Color**

**Yxy(31.4858, 0.3701, 0.2203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F85AC9
RGB	248, 90, 201
RGB Percent	97%, 35%, 79%
CMY	0.0277, 0.6468, 0.2118
CMYK	0.00, 0.64, 0.19, 0.03
HSL	318°, 92%, 66%
HSV	318°, 64%, 97%
XYZ	52.8956, 31.4858, 58.5410
YIQ	149.8960, 58.5370, 68.0170

# Conversions

## Conversions Part 2

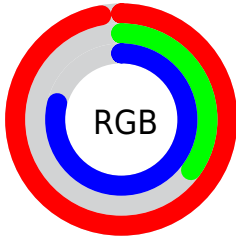
Format	Color
R <sub>YB</sub>	248, 90, 201
Decimal	16276169
CIE <sub>Lab</sub>	62.92, 71.12, -26.57
CIE <sub>LCh</sub>	63, 75.920, 339.517
Y <sub>xy</sub>	31.4858, 0.3701, 0.2203
Android (android.graphics.Color)	4294466249 (0xFFFF85AC9)
Y <sub>UV</sub>	149.8960, 25.1943, 86.0372
Hunter-Lab	56.1122, 70.0711, -22.5778

# Details

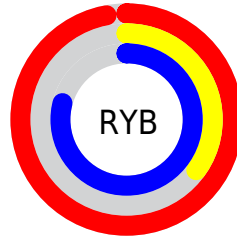
The Yxy color **31.4858, 0.3701, 0.2203** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **71.0875, 0.2847, 0.4785**, and the grayscale version is **30.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9749, 0.3175, 0.2266**, and **13.1120, 0.3846, 0.1927** is the 20% darker color. If you saturate the color by 10%, you get **27.6368, 0.3827, 0.2103**, and if you desaturate by 10%, it is **36.7492, 0.3581, 0.2340**.

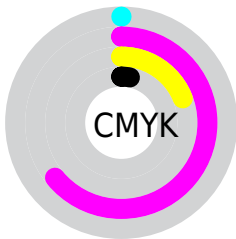
# Distribution



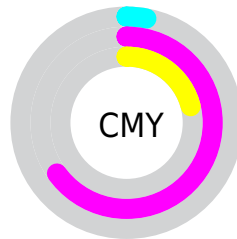
- Red (97%)
- Green (35%)
- Blue (79%)



- Red (97%)
- Yellow (35%)
- Blue (79%)



- Cyan (0%)
- Magenta (64%)
- Yellow (19%)
- Black (3%)




- Cyan (3%)
- Magenta (65%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4858, 0.3701, 0.2203 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 31.4858, 0.3701, 0.2203 by changing the saturation by 10% instead.





 31.4858, 0.3701,  
0.2203


 31.4858, 0.3701,  
0.2203


308.7702, 0.3424,  
0.2723


 20.9691, 0.3767,  
0.2081


 62.0041, 0.3603,  
0.2386

 13.1014, 0.3849,  
0.1931


 82.7745, 0.3565,  
0.2457

 7.4984, 0.3954,  
0.1739


 107.7315, 0.3533,  
0.2517

 3.7757, 0.4092,  
0.1491

 137.2595, 0.3505,  
0.2569

 1.5489, 0.4280,  
0.1162

171.7430, 0.3481,  
0.2615

 0.3228, 0.4625,  
0.0552

211.5664, 0.3459,

 0.0000, 0.4989,

0.2656

0.0000

257.1140, 0.3440,  
0.2691

■ 0.0000, 0.0000,  
0.0000

■ 31.4858, 0.3701,  
0.2203

■ 31.4858, 0.3701,  
0.2203

■ 27.6368, 0.3827,  
0.2103

■ 36.7492, 0.3581,  
0.2340

■ 25.0525, 0.3954,  
0.2049

■ 43.5476, 0.3471,  
0.2504


■ 23.5576, 0.4080,  
0.2045

■ 51.9940, 0.3373,  
0.2682

■ 23.0110, 0.4157,  
0.2064

■ 62.1893, 0.3286,  
0.2866

■ 74.2264, 0.3212,  
0.3050

 88.1917, 0.3148,  
0.3227

 98.5344, 0.3097,  
0.3313

 98.6872, 0.3084,  
0.3290

# Harmonies

## Analogous

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



31.4858, 0.2527, 0.1785



31.4858, 0.3701, 0.2203



31.4858, 0.4876, 0.2824

# Triad

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



31.4858, 0.3701, 0.2203



31.4858, 0.4359, 0.5133



31.4858, 0.1269, 0.2354

# Complementary

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



31.4858, 0.3701, 0.2203



71.0875, 0.2847, 0.4785

# 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.



31.4858, 0.1571, 0.3485



31.4858, 0.3701, 0.2203



31.4858, 0.3332, 0.5551

# Square

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



31.4858, 0.3701, 0.2203



31.4858, 0.5157, 0.4330



31.4858, 0.2308, 0.4907



31.4858, 0.1332, 0.1789



# Rectangle

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



31.4858, 0.3701, 0.2203



31.4858, 0.5336, 0.3296



31.4858, 0.2308, 0.4907



31.4858, 0.1325, 0.2664

# Sweetspot

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



31.4874, 0.3701, 0.2203



71.9943, 0.3250, 0.2952



19.2321, 0.2172, 0.1367



14.6452, 0.3272, 0.2899



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.



31.4874, 0.3701, 0.2203



28.6665, 0.3858, 0.2085



28.7330, 0.4742, 0.2961



17.4314, 0.3184, 0.3125



12.4622, 0.4138, 0.2053



1.1729, 0.4000, 0.1977



# Inverse Universe

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



31.4874, 0.3701, 0.2203



28.6665, 0.3858, 0.2085



74.1224, 0.2505, 0.3722



17.4314, 0.3184, 0.3125



12.4622, 0.4138, 0.2053

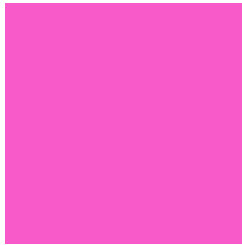


1.1729, 0.4000, 0.1977



# Previews

## White Background



This preview shows how the Yxy color 31.4858, 0.3701, 0.2203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

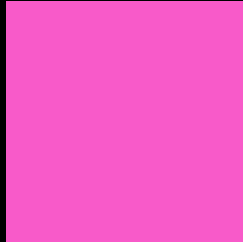
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.4858, 0.3701, 0.2203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

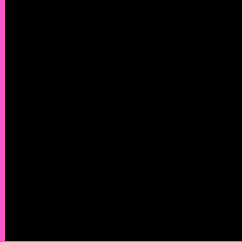
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.4858, 0.3701, 0.2203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.4858, 0.3701, 0.2203.

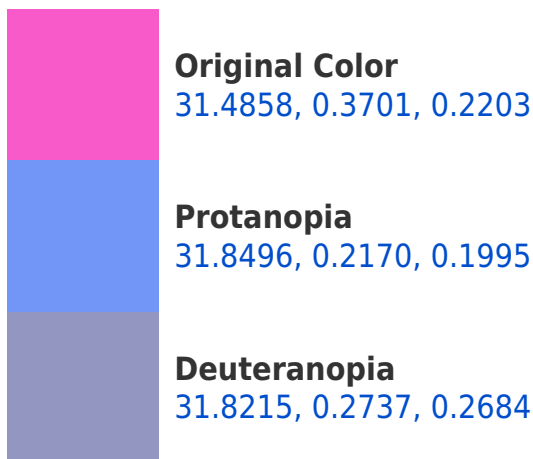


This preview shows how white text looks on a background with the Yxy color 31.4858, 0.3701, 0.2203.

# 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

31.2261, 0.4620, 0.3210

# Trichromacy



## Original Color

31.4858, 0.3701, 0.2203



## Protanomaly

28.9944, 0.2560, 0.1993



## Deuteranomaly

29.5688, 0.3054, 0.2418



## Tritanomaly

30.9251, 0.4291, 0.2809

# Monochromacy



## Original Color

31.4858, 0.3701, 0.2203



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

28.7420, 0.3342, 0.2735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.4858, 0.3701, 0.2203 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(248, 90, 201)` looks like.

```
.text, #text, p{  
    color:rgb(248, 90, 201)  
}
```

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(248, 90, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 90, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 31.4858, 0.3701, 0.2203 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(248, 90, 201) }
```

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

```
.border{ border-color:rgb(248, 90, 201) }
```

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

Here you see how a box with a 4 pixel rgb(248, 90, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 90, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 90, 201);  
box-shadow:4px 4px 4px 4px rgb(248, 90,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.4858, 0.3701, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 90, 201) }
```

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

```
.background{ background-color: rgb(248, 90,  
201) }
```

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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