

Converting Colors

$Y_{xy}(30.7010, 0.3796, 0.2144)$

Have a look what the booklet for
Yxy(30.7010, 0.3796, 0.2144)
contains.

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Color

Yxy(30.7848, 0.3792, 0.2144)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DC9
RGB	255, 77, 201
RGB Percent	100%, 30%, 79%
CMY	0.0000, 0.6982, 0.2116
CMYK	0.00, 0.70, 0.21, 0.00
HSL	318°, 100%, 65%
HSV	318°, 70%, 100%
XYZ	54.4477, 30.7848, 58.3533
YIQ	144.3580, 66.2840, 76.3000

Conversions

Conversions Part 2

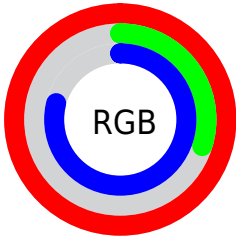
Format	Color
RYB	255, 77, 201
Decimal	16731593
CIELab	62.33, 77.65, -27.41
CIELCh	62, 82.343, 340.556
Yxy	30.7848, 0.3792, 0.2144
Android (android.graphics.Color)	4294921673 (0xFFFF4DC9)
YUV	144.3580, 27.9245, 97.0330
Hunter-Lab	55.4841, 78.0690, -23.5172

Details

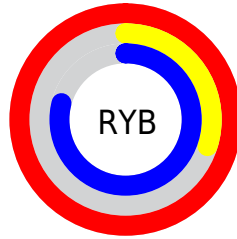
The Yxy color **30.7848, 0.3792, 0.2144** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.7327, 0.2837, 0.4941**, and the grayscale version is **27.8979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **13.5759, 0.3938, 0.1943** is the 20% darker color. If you saturate the color by 10%, you get **27.5320, 0.3922, 0.2073**, and if you desaturate by 10%, it is **35.4451, 0.3665, 0.2258**.

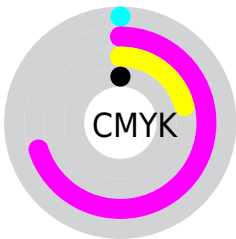
Distribution



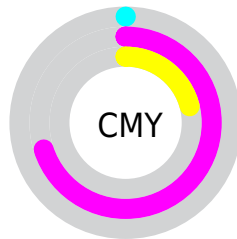
- Red (100%)
- Green (30%)
- Blue (79%)



- Red (100%)
- Yellow (30%)
- Blue (79%)



- Cyan (0%)
- Magenta (70%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7848, 0.3792, 0.2144 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 30.7848, 0.3792, 0.2144 by changing the saturation by 10% instead.


 30.7848, 0.3792,
0.2144


 30.7848, 0.3792,
0.2144

305.5457, 0.3469,
0.2690


 20.4350, 0.3869,
0.2017


 60.9011, 0.3677,
0.2336

 12.7117, 0.3965,
0.1860


 81.4364, 0.3634,
0.2410

 7.2303, 0.4088,
0.1663


 106.1357, 0.3596,
0.2473

 3.6065, 0.4251,
0.1408

 135.3834, 0.3564,
0.2528

 1.4560, 0.4472,
0.1075

169.5638, 0.3536,
0.2576

 0.2575, 0.4890,
0.0431

209.0614, 0.3511,

 0.0000, 0.5288,

0.2619

0.0000

254.2606, 0.3489,
0.2657

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.7848, 0.3792,
0.2144

■ 30.7848, 0.3792,
0.2144

■ 27.5320, 0.3922,
0.2073

■ 35.4451, 0.3665,
0.2258

■ 25.5243, 0.4052,
0.2051

■ 41.6712, 0.3546,
0.2406

■ 24.4783, 0.4178,
0.2076

■ 49.5870, 0.3438,
0.2575

■ 24.4628, 0.4180,
0.2077

■ 59.3073, 0.3342,
0.2756

70.9367, 0.3258,
0.2940

84.5717, 0.3187,
0.3120

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.



30.7848, 0.2510, 0.1698



30.7848, 0.3792, 0.2144



30.7848, 0.5067, 0.2798

Triad

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



30.7848, 0.3792, 0.2144



30.7848, 0.4365, 0.5267



30.7848, 0.1147, 0.2233

Complementary

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



30.7848, 0.3792, 0.2144



74.7327, 0.2837, 0.4941

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.



30.7848, 0.1433, 0.3432



30.7848, 0.3792, 0.2144



30.7848, 0.3264, 0.5765

Square

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



30.7848, 0.3792, 0.2144



30.7848, 0.5258, 0.4377



30.7848, 0.2186, 0.5037



30.7848, 0.1231, 0.1669

Rectangle

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



30.7848, 0.3792, 0.2144



30.7848, 0.5536, 0.3288



30.7848, 0.2186, 0.5037



30.7848, 0.1196, 0.2553

Sweetspot

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



30.7808, 0.3792, 0.2144



69.4618, 0.3268, 0.2918



17.2973, 0.2086, 0.1204



14.1522, 0.3290, 0.2867



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.



30.7808, 0.3792, 0.2144



26.5532, 0.3977, 0.2057



27.7446, 0.5039, 0.2984



18.2011, 0.3185, 0.3126



12.8101, 0.4160, 0.2066



1.2667, 0.4025, 0.1991

Inverse Universe

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



30.7808, 0.3792, 0.2144



26.5532, 0.3977, 0.2057



78.2312, 0.2465, 0.3733



18.2011, 0.3185, 0.3126



12.8101, 0.4160, 0.2066



1.2667, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 30.7848, 0.3792, 0.2144 looks on a white background.

Color Contrast Check

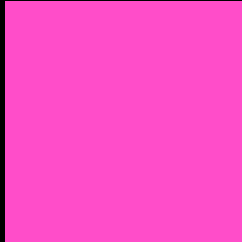
Large Text (above 18pt) WCAG AA × Fail

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 30.7848, 0.3792, 0.2144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

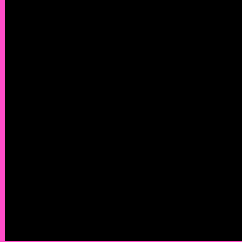
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7848, 0.3792, 0.2144

Background



This preview shows how black text looks on a background with the Yxy color 30.7848, 0.3792, 0.2144.



This preview shows how white text looks on a background with the Yxy color 30.7848, 0.3792, 0.2144.

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

30.7848, 0.3792, 0.2144

Protanopia

31.0907, 0.2089, 0.1893

Deuteranopia

30.9611, 0.2725, 0.2664



Tritanopia

30.6004, 0.4852, 0.3226

Trichromacy



Original Color

30.7848, 0.3792, 0.2144



Protanomaly

27.3908, 0.2500, 0.1879



Deuteranomaly

28.1735, 0.3065, 0.2345



Tritanomaly

30.3126, 0.4481, 0.2807

Monochromacy



Original Color

30.7848, 0.3792, 0.2144



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.3399, 0.3377, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7848, 0.3792, 0.2144 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, 77, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 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(255, 77, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 201) }
```

Border

The CSS property to change the border of an element to Yxy 30.7848, 0.3792, 0.2144 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, 77, 201) }
```

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

```
.border{ border-color:rgb(255, 77, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7848, 0.3792, 0.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 201) }
```

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

```
.background{ background-color: rgb(255, 77,  
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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