

# Converting Colors

$Y_{xy}(28.3696, 0.3793, 0.2015)$

Have a look what the booklet for  
Yxy(28.3696, 0.3793, 0.2015)  
contains.

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**Color**

**Yxy(28.4001, 0.3790, 0.2014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF38CB
RGB	255, 56, 203
RGB Percent	100%, 22%, 80%
CMY	0.0000, 0.7806, 0.2039
CMYK	0.00, 0.78, 0.20, 0.00
HSL	316°, 100%, 61%
HSV	316°, 78%, 100%
XYZ	53.4441, 28.4001, 59.1692
YIQ	132.2590, 71.4170, 87.9050

# Conversions

## Conversions Part 2

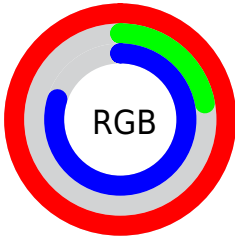
Format	Color
R <sub>Y</sub> B	255, 56, 203
Decimal	16726219
CIE Lab	60.25, 84.03, -31.75
CIE LCh	60, 89.829, 339.305
Yxy	28.4001, 0.3790, 0.2014
Android (android.graphics.Color)	4294916299 (0xFFFF38CB)
YUV	132.2590, 34.8753, 107.6439
Hunter-Lab	53.2917, 85.7497, -28.5248

# Details

The Yxy color **28.4001, 0.3790, 0.2014** 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 **73.4403, 0.2869, 0.5255**, and the grayscale version is **23.0116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8953, 0.3185, 0.2055**, and **13.6075, 0.3920, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **26.2123, 0.3898, 0.1975**, and if you desaturate by 10%, it is **31.8470, 0.3681, 0.2101**.

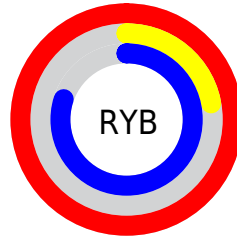
# Distribution



Red (100%)

Green (22%)

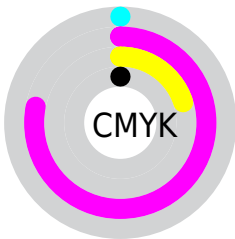
Blue (80%)



Red (100%)

Yellow (22%)

Blue (80%)

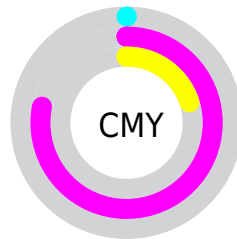


Cyan (0%)

Magenta (78%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (78%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4001, 0.3790, 0.2014 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 28.4001, 0.3790, 0.2014 by changing the saturation by 10% instead.




 28.4001, 0.3790,  
0.2014


 28.4001, 0.3790,  
0.2014


294.3738, 0.3472,  
0.2619

 18.6275, 0.3864,  
0.1875


 57.1226, 0.3678,  
0.2225


 11.4014, 0.3956,  
0.1704


 76.8412, 0.3635,  
0.2307


 6.3375, 0.4071,  
0.1491


 100.6440, 0.3598,  
0.2378

 3.0514, 0.4221,  
0.1221

 128.9154, 0.3566,  
0.2439

 1.1586, 0.4415,  
0.0878

 162.0396, 0.3538,  
0.2492

 0.0275, 0.4868,  
0.0048


200.4012, 0.3514,


 0.0000, 0.4983,


0.2540


0.0000

244.3844, 0.3492,  
0.2582


 0.0000, 0.0000,  
0.0000

 28.4001, 0.3790,  
0.2014


 28.4001, 0.3790,  
0.2014


 26.2123, 0.3898,  
0.1975

 31.8470, 0.3681,  
0.2101

 25.0713, 0.4002,  
0.1984

 36.7377, 0.3575,  
0.2229

 24.9080, 0.4022,  
0.1989

 43.2091, 0.3475,  
0.2388

 51.3866, 0.3384,  
0.2569

 61.3828, 0.3303,  
0.2760

73.3006, 0.3231,  
0.2953

87.2353, 0.3170,  
0.3143

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.



28.4001, 0.2389, 0.1557



28.4001, 0.3790, 0.2014



28.4001, 0.5242, 0.2694

# Triad

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



28.4001, 0.3790, 0.2014



28.4001, 0.4444, 0.5355



28.4001, 0.0998, 0.2142

# Complementary

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



28.4001, 0.3790, 0.2014



73.4403, 0.2869, 0.5255

# 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.



28.4001, 0.1294, 0.3495



28.4001, 0.3790, 0.2014



28.4001, 0.3254, 0.6056

# Square

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



28.4001, 0.3790, 0.2014



28.4001, 0.5439, 0.4339



28.4001, 0.2099, 0.5356



28.4001, 0.1079, 0.1539



# Rectangle

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



28.4001, 0.3790, 0.2014



28.4001, 0.5774, 0.3199



28.4001, 0.2099, 0.5356



28.4001, 0.1048, 0.2495

# Sweetspot

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



28.3947, 0.3790, 0.2014



67.1703, 0.3265, 0.2858



13.0886, 0.1890, 0.0975



13.4824, 0.3292, 0.2788



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.



28.3947, 0.3790, 0.2014



25.4334, 0.3960, 0.1976



25.1170, 0.5237, 0.2908



18.2146, 0.3178, 0.3116



13.0408, 0.4005, 0.1980



1.2877, 0.3894, 0.1919



# Inverse Universe

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



28.3947, 0.3790, 0.2014



25.4334, 0.3960, 0.1976



76.7782, 0.2479, 0.3930



18.2146, 0.3178, 0.3116



13.0408, 0.4005, 0.1980



1.2877, 0.3894, 0.1919



# Previews

## White Background



This preview shows how the Yxy color 28.4001, 0.3790, 0.2014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

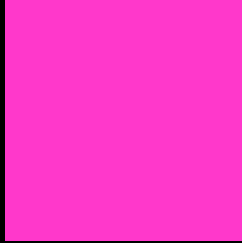
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.4001, 0.3790, 0.2014 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 × Fail

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

**Yxy 28.4001, 0.3790, 0.2014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.4001, 0.3790, 0.2014.

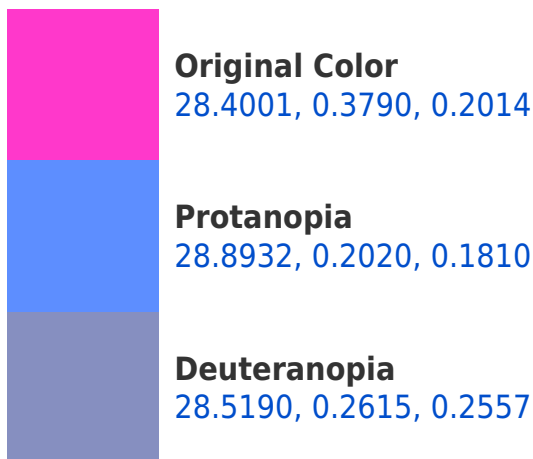


This preview shows how white text looks on a background with the Yxy color 28.4001, 0.3790, 0.2014.

# 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

28.3034, 0.5065, 0.3249

# Trichromacy



## Original Color

28.4001, 0.3790, 0.2014



## Protanomaly

24.1004, 0.2411, 0.1720



## Deuteranomaly

24.8194, 0.2982, 0.2176



## Tritanomaly

27.6546, 0.4628, 0.2759

# Monochromacy



## Original Color

28.4001, 0.3790, 0.2014



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

21.7164, 0.3403, 0.2526

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.4001, 0.3790, 0.2014 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, 56, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 203)  
}
```

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, 56, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 28.4001, 0.3790, 0.2014 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, 56, 203) }
```

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

```
.border{ border-color:rgb(255, 56, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.4001, 0.3790, 0.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 203) }
```

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

```
.background{ background-color: rgb(255, 56,  
203) }
```

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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