

# Converting Colors

Yxy(28.4925, 0.3903, 0.2112)

Have a look what the booklet for  
Yxy(28.4925, 0.3903, 0.2112)  
contains.

<b>Yxy(28.4925, 0.3903, 0.2112)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(28.4925, 0.3903, 0.2112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3DC2
RGB	255, 61, 194
RGB Percent	100%, 24%, 76%
CMY	0.0000, 0.7609, 0.2392
CMYK	0.00, 0.76, 0.24, 0.00
HSL	319°, 100%, 62%
HSV	319°, 76%, 100%
XYZ	52.6545, 28.4925, 53.7607
YIQ	134.1680, 72.9310, 82.4910

# Conversions

## Conversions Part 2

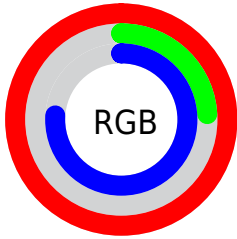
Format	Color
R <sub>Y</sub> B	255, 61, 194
Decimal	16727490
CIE Lab	60.33, 81.63, -26.47
CIE LCh	60, 85.818, 342.034
Yxy	28.4925, 0.3903, 0.2112
Android (android.graphics.Color)	4294917570 (0xFFFF3DC2)
YUV	134.1680, 29.4972, 105.9697
Hunter-Lab	53.3784, 82.6671, -22.3498

# Details

The Yxy color **28.4925, 0.3903, 0.2112** 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 **73.9150, 0.2829, 0.5076**, and the grayscale version is **23.7646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4038, 0.3219, 0.2109**, and **13.3628, 0.4069, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **26.0335, 0.4040, 0.2074**, and if you desaturate by 10%, it is **32.2540, 0.3767, 0.2198**.

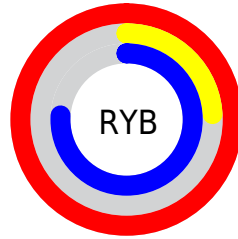
# Distribution



Red (100%)

Green (24%)

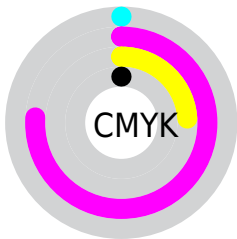
Blue (76%)



Red (100%)

Yellow (24%)

Blue (76%)

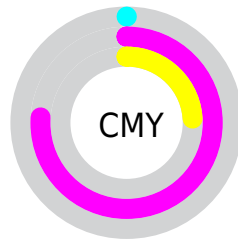


Cyan (0%)

Magenta (76%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (76%)

Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4925, 0.3903, 0.2112 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 28.4925, 0.3903, 0.2112 by changing the saturation by 10% instead.





 28.4925, 0.3903,  
0.2112


 28.4925, 0.3903,  
0.2112


294.8128, 0.3519,  
0.2679

 18.6972, 0.3996,  
0.1979


 57.2698, 0.3765,  
0.2312


 11.4517, 0.4114,  
0.1814


 77.0206, 0.3713,  
0.2389

 6.3715, 0.4268,  
0.1606


 100.8587, 0.3668,  
0.2455

 3.0723, 0.4473,  
0.1337

 129.1686, 0.3630,  
0.2512

 1.1696, 0.4759,  
0.0985

 162.3345, 0.3597,  
0.2562

 0.0367, 0.5422,  
0.0074

200.7409, 0.3568,


 0.0000, 0.5892,

0.2605


0.0000

244.7722, 0.3542,  
0.2644

 0.0000, 0.0000,  
0.0000


 28.4925, 0.3903,  
0.2112

 28.4925, 0.3903,  
0.2112


 26.0335, 0.4040,  
0.2074


 32.2540, 0.3767,  
0.2198


 24.6890, 0.4173,  
0.2086


 37.4939, 0.3637,  
0.2325


 24.3485, 0.4224,  
0.2101

 44.3465, 0.3517,  
0.2479

 52.9343, 0.3410,  
0.2652

 63.3680, 0.3315,  
0.2832

 75.7490, 0.3234,  
0.3012

 90.1714, 0.3164,  
0.3187

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.



28.4925, 0.2525, 0.1639



28.4925, 0.3903, 0.2112



28.4925, 0.5247, 0.2792

# Triad

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



28.4925, 0.3903, 0.2112



28.4925, 0.4331, 0.5390



28.4925, 0.1054, 0.2116

# Complementary

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



28.4925, 0.3903, 0.2112



73.9150, 0.2829, 0.5076

# 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.



28.4925, 0.1314, 0.3346



28.4925, 0.3903, 0.2112



28.4925, 0.3174, 0.5939

# Square

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



28.4925, 0.3903, 0.2112



28.4925, 0.5308, 0.4428



28.4925, 0.2062, 0.5104



28.4925, 0.1160, 0.1570



# Rectangle

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



28.4925, 0.3903, 0.2112



28.4925, 0.5702, 0.3294



28.4925, 0.2062, 0.5104



28.4925, 0.1094, 0.2437

# Sweetspot

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



28.4880, 0.3903, 0.2112



66.9867, 0.3289, 0.2888



14.4872, 0.1985, 0.1051



13.4376, 0.3320, 0.2822



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.



28.4880, 0.3903, 0.2112



25.2501, 0.4106, 0.2074



25.5087, 0.5302, 0.2992



18.1974, 0.3186, 0.3128



12.7509, 0.4203, 0.2089



1.2613, 0.4061, 0.2011



# Inverse Universe

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



28.4880, 0.3903, 0.2112



25.2501, 0.4106, 0.2074



77.4786, 0.2444, 0.3780



18.1974, 0.3186, 0.3128



12.7509, 0.4203, 0.2089

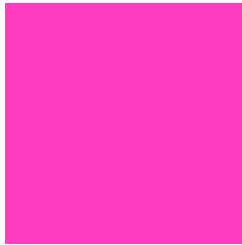


1.2613, 0.4061, 0.2011



# Previews

## White Background



This preview shows how the Yxy color 28.4925, 0.3903, 0.2112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

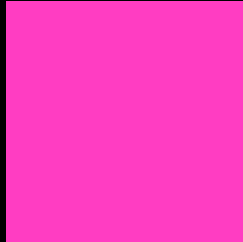
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.4925, 0.3903, 0.2112 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 28.4925, 0.3903, 0.2112**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.4925, 0.3903, 0.2112.

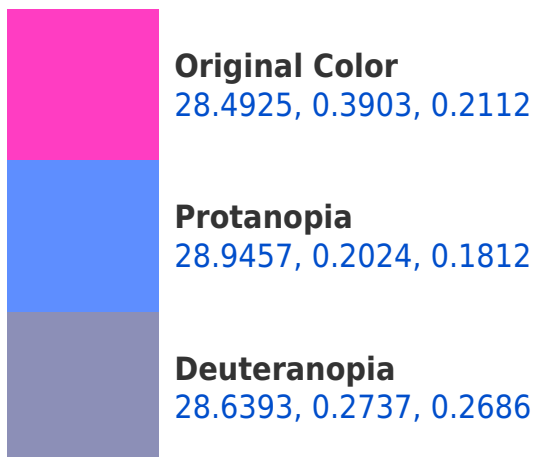


This preview shows how white text looks on a background with the Yxy color 28.4925, 0.3903, 0.2112.

# 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

28.3103, 0.5080, 0.3240

# Trichromacy



## Original Color

28.4925, 0.3903, 0.2112



## Protanomaly

24.4658, 0.2441, 0.1770



## Deuteranomaly

25.3432, 0.3117, 0.2312



## Tritanomaly

27.9023, 0.4678, 0.2801

# Monochromacy



## Original Color

28.4925, 0.3903, 0.2112



## Achromatopsia

23.8398, 0.3127, 0.3290



## Achromatomaly

22.3807, 0.3436, 0.2596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.4925, 0.3903, 0.2112 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, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 194)  
}
```

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, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 28.4925, 0.3903, 0.2112 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, 61, 194) }
```

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

```
.border{ border-color:rgb(255, 61, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.4925, 0.3903, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 194) }
```

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

```
.background{ background-color: rgb(255, 61,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor