

# Converting Colors

$Y_{xy}(28.1572, 0.3745, 0.2213)$

Have a look what the booklet for  
Yxy(28.1572, 0.3745, 0.2213)  
contains.

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# Color

**Yxy(28.2355, 0.3740, 0.2213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE54BE
RGB	238, 84, 190
RGB Percent	93%, 33%, 75%
CMY	0.0667, 0.6705, 0.2550
CMYK	0.00, 0.65, 0.20, 0.07
HSL	319°, 82%, 63%
HSV	319°, 65%, 93%
XYZ	47.7184, 28.2355, 51.6354
YIQ	142.1300, 57.7580, 65.6140

# Conversions

## Conversions Part 2

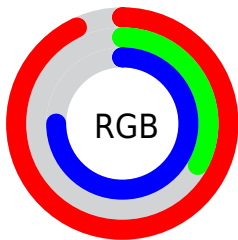
Format	Color
R <sub>Y</sub> B	238, 84, 190
Decimal	15619262
CIE Lab	60.10, 69.37, -24.76
CIE LCh	60, 73.656, 340.360
Yxy	28.2355, 0.3740, 0.2213
Android (android.graphics.Color)	4293809342 (0xFFEE54BE)
YUV	142.1300, 23.5999, 84.0780
Hunter-Lab	53.1371, 67.3074, -20.4184

# Details

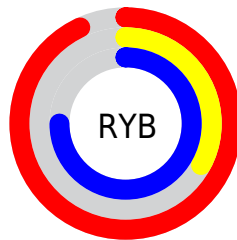
The Yxy color **28.2355, 0.3740, 0.2213** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **64.6939, 0.2836, 0.4778**, and the grayscale version is **26.9966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3214, 0.3246, 0.2269**, and **11.2643, 0.3910, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **24.8312, 0.3873, 0.2119**, and if you desaturate by 10%, it is **32.9136, 0.3613, 0.2345**.

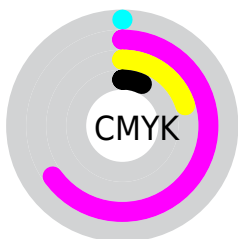
# Distribution



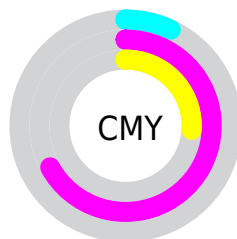
- Red (93%)
- Green (33%)
- Blue (75%)



- Red (93%)
- Yellow (33%)
- Blue (75%)



- Cyan (0%)
- Magenta (65%)
- Yellow (20%)
- Black (7%)




- Cyan (7%)
- Magenta (67%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2355, 0.3740, 0.2213 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 28.2355, 0.3740, 0.2213 by changing the saturation by 10% instead.




 28.2355, 0.3740,  
0.2213


 28.2355, 0.3740,  
0.2213


293.5905, 0.3436,  
0.2739


 18.5033, 0.3814,  
0.2087


 56.8602, 0.3631,  
0.2400


 11.3119, 0.3908,  
0.1930


 76.5215, 0.3589,  
0.2472

 6.2770, 0.4031,  
0.1727


 100.2612, 0.3554,  
0.2533

 3.0143, 0.4196,  
0.1461

 128.4638, 0.3524,  
0.2586

 1.1392, 0.4427,  
0.1102

161.5136, 0.3497,  
0.2631

 0.0112, 0.5062,  
0.0028

199.7951, 0.3474,


 0.0000, 0.5481,


0.2672


0.0000


243.6926, 0.3454,  
0.2707


 0.0000, 0.0000,  
0.0000


 28.2355, 0.3740,  
0.2213


 28.2355, 0.3740,  
0.2213

 24.8312, 0.3873,  
0.2119


 32.9136, 0.3613,  
0.2345


 22.5632, 0.4009,  
0.2072


 38.9759, 0.3497,  
0.2503


 21.2696, 0.4141,  
0.2076

 46.5257, 0.3392,  
0.2677


 20.8466, 0.4210,  
0.2093


 55.6552, 0.3301,  
0.2857

 66.4491, 0.3222,  
0.3037

 78.9860, 0.3155,  
0.3211

 93.3396, 0.3098,  
0.3377

 96.5558, 0.3055,  
0.3345

 96.9146, 0.3023,  
0.3290

# Harmonies

## Analogous

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



28.2355, 0.2552, 0.1787



28.2355, 0.3740, 0.2213



28.2355, 0.4913, 0.2840

# Triad

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



28.2355, 0.3740, 0.2213



28.2355, 0.4335, 0.5161



28.2355, 0.1258, 0.2325

# Complementary

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



28.2355, 0.3740, 0.2213



64.6939, 0.2836, 0.4778

# 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.



28.2355, 0.1549, 0.3445



28.2355, 0.3740, 0.2213



28.2355, 0.3301, 0.5564

# Square

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



28.2355, 0.3740, 0.2213



28.2355, 0.5149, 0.4355



28.2355, 0.2276, 0.4884



28.2355, 0.1332, 0.1773



# Rectangle

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



28.2355, 0.3740, 0.2213



28.2355, 0.5359, 0.3315



28.2355, 0.2276, 0.4884



28.2355, 0.1310, 0.2630

# Sweetspot

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



28.2369, 0.3740, 0.2213



71.9527, 0.3255, 0.2959



17.2810, 0.2177, 0.1351



14.6351, 0.3278, 0.2907



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.



28.2369, 0.3740, 0.2213



27.9471, 0.3922, 0.2097



25.7541, 0.4815, 0.2987



15.9426, 0.3186, 0.3129



11.6563, 0.4190, 0.2082



0.9875, 0.4029, 0.1993



# Inverse Universe

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



28.2369, 0.3740, 0.2213



27.9471, 0.3922, 0.2097



67.5413, 0.2489, 0.3694



15.9426, 0.3186, 0.3129



11.6563, 0.4190, 0.2082

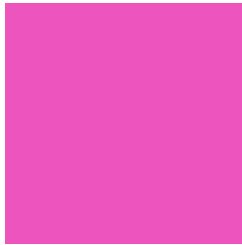


0.9875, 0.4029, 0.1993



# Previews

## White Background



This preview shows how the Yxy color 28.2355, 0.3740, 0.2213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

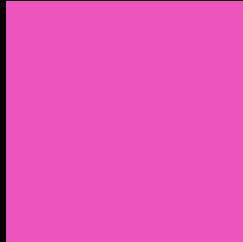
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.2355, 0.3740, 0.2213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

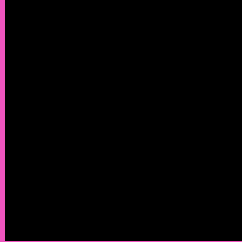
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.2355, 0.3740, 0.2213**

## Background



This preview shows how black text looks on a background with the Yxy color 28.2355, 0.3740, 0.2213.



This preview shows how white text looks on a background with the Yxy color 28.2355, 0.3740, 0.2213.

# 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

28.2355, 0.3740, 0.2213

### Protanopia

28.5954, 0.2181, 0.2013

### Deuteranopia

28.3449, 0.2762, 0.2699



## Tritanopia

28.2619, 0.4661, 0.3218

# Trichromacy



## Original Color

28.2355, 0.3740, 0.2213



## Protanomaly

25.8571, 0.2575, 0.1998



## Deuteranomaly

26.3655, 0.3080, 0.2431



## Tritanomaly

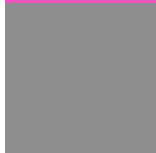
27.9353, 0.4345, 0.2827

# Monochromacy



## Original Color

28.2355, 0.3740, 0.2213



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.5251, 0.3364, 0.2750

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.2355, 0.3740, 0.2213 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(238, 84, 190)` looks like.

```
.text, #text, p{  
  color:rgb(238, 84, 190)  
}
```

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(238, 84, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 84, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 28.2355, 0.3740, 0.2213 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(238, 84, 190) }
```

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

```
.border{ border-color:rgb(238, 84, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 84, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 84, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 84, 190); box-shadow:4px 4px 4px 4px rgb(238, 84, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.2355, 0.3740, 0.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 84, 190) }
```

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

```
.background{ background-color: rgb(238, 84,  
190) }
```

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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