

# Converting Colors

$Y_{xy}(27.6659, 0.3751, 0.2202)$

Have a look what the booklet for  
Yxy(27.6659, 0.3751, 0.2202)  
contains.

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# Color

**Yxy(27.7132, 0.3745, 0.2202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED52BD
RGB	237, 82, 189
RGB Percent	93%, 32%, 74%
CMY	0.0705, 0.6785, 0.2588
CMYK	0.00, 0.65, 0.20, 0.07
HSL	319°, 81%, 63%
HSV	319°, 65%, 93%
XYZ	47.1326, 27.7132, 51.0089
YIQ	140.5430, 58.0330, 66.1370

# Conversions

## Conversions Part 2

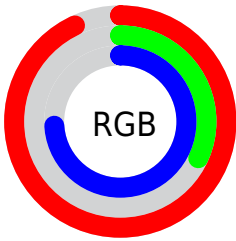
Format	Color
R <sub>Y</sub> B	237, 82, 189
Decimal	15553213
CIE Lab	59.63, 69.77, -24.94
CIE LCh	60, 74.095, 340.333
Yxy	27.7132, 0.3745, 0.2202
Android (android.graphics.Color)	4293743293 (0xFFED52BD)
YUV	140.5430, 23.8893, 84.5928
Hunter-Lab	52.6433, 67.6886, -20.5989

# Details

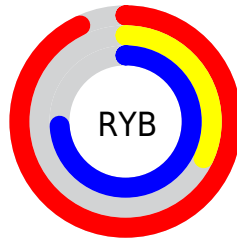
The Yxy color **27.7132, 0.3745, 0.2202** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **63.9854, 0.2836, 0.4801**, and the grayscale version is **26.3345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9023, 0.3264, 0.2276**, and **11.0964, 0.3915, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **24.4261, 0.3877, 0.2111**, and if you desaturate by 10%, it is **32.2529, 0.3619, 0.2332**.

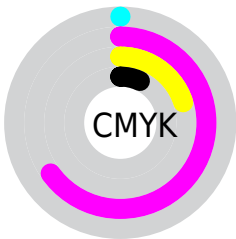
# Distribution



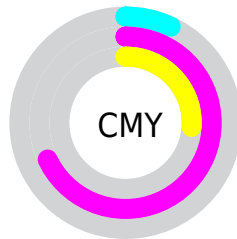
- Red (93%)
- Green (32%)
- Blue (74%)



- Red (93%)
- Yellow (32%)
- Blue (74%)



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




- Cyan (7%)
- Magenta (68%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7132, 0.3745, 0.2202 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 27.7132, 0.3745, 0.2202 by changing the saturation by 10% instead.



 27.7132, 0.3745,  
0.2202

 27.7132, 0.3745,  
0.2202


291.0939, 0.3438,  
0.2735


 18.1096, 0.3820,  
0.2074


 56.0262, 0.3634,  
0.2392


 11.0287, 0.3915,  
0.1915


 75.5044, 0.3593,  
0.2464

 6.0861, 0.4040,  
0.1709


 99.0429, 0.3557,  
0.2526

 2.8975, 0.4207,  
0.1439

 127.0261, 0.3526,  
0.2579

 1.0785, 0.4441,  
0.1076

159.8384, 0.3500,  
0.2626

 0.0000, 0.5078,  
0.0000

197.8643, 0.3477,


 0.0000, 0.5537,


0.2666

0.0000


241.4879, 0.3456,  
0.2702


 0.0000, 0.0000,  
0.0000


 27.7132, 0.3745,  
0.2202


 27.7132, 0.3745,  
0.2202


 24.4261, 0.3877,  
0.2111

 32.2529, 0.3619,  
0.2332


 22.2540, 0.4011,  
0.2067


 38.1558, 0.3502,  
0.2489


 21.0338, 0.4142,  
0.2073

 45.5249, 0.3398,  
0.2662

 20.6742, 0.4202,  
0.2088

 54.4520, 0.3306,  
0.2843

 65.0216, 0.3227,  
0.3024

 77.3118, 0.3159,  
0.3199

 91.3958, 0.3102,  
0.3365

 96.2888, 0.3058,  
0.3362

 96.7481, 0.3017,  
0.3290

# Harmonies

## Analogous

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



27.7132, 0.2544, 0.1773



27.7132, 0.3745, 0.2202



27.7132, 0.4933, 0.2833

# Triad

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



27.7132, 0.3745, 0.2202



27.7132, 0.4342, 0.5175



27.7132, 0.1242, 0.2313

# Complementary

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



27.7132, 0.3745, 0.2202



63.9854, 0.2836, 0.4801

# 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.



27.7132, 0.1533, 0.3446



27.7132, 0.3745, 0.2202



27.7132, 0.3298, 0.5593

# Square

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



27.7132, 0.3745, 0.2202



27.7132, 0.5166, 0.4357



27.7132, 0.2265, 0.4908



27.7132, 0.1316, 0.1758



# Rectangle

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



27.7132, 0.3745, 0.2202



27.7132, 0.5384, 0.3310



27.7132, 0.2265, 0.4908



27.7132, 0.1294, 0.2621

# Sweetspot

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



27.7146, 0.3745, 0.2202



70.6897, 0.3262, 0.2940



16.7758, 0.2165, 0.1331



14.3900, 0.3285, 0.2889



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.



27.7146, 0.3745, 0.2202



27.9659, 0.3916, 0.2093



25.2325, 0.4844, 0.2986



15.2297, 0.3185, 0.3129



11.3097, 0.4181, 0.2077



0.9052, 0.4013, 0.1985



# Inverse Universe

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



27.7146, 0.3745, 0.2202



27.9659, 0.3916, 0.2093



66.8304, 0.2486, 0.3699



15.2297, 0.3185, 0.3129



11.3097, 0.4181, 0.2077



0.9052, 0.4013, 0.1985



# Previews

## White Background



This preview shows how the Yxy color 27.7132, 0.3745, 0.2202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

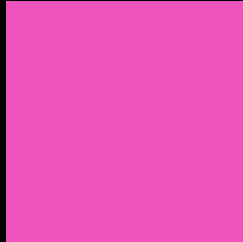
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.7132, 0.3745, 0.2202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

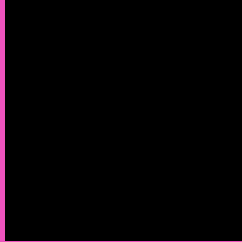
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.7132, 0.3745, 0.2202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.7132, 0.3745, 0.2202.

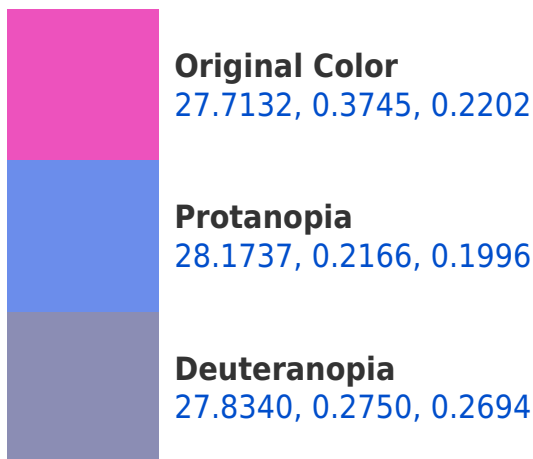


This preview shows how white text looks on a background with the Yxy color 27.7132, 0.3745, 0.2202.

# 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

27.6493, 0.4691, 0.3218

# Trichromacy



## Original Color

27.7132, 0.3745, 0.2202



## Protanomaly

25.3649, 0.2563, 0.1988



## Deuteranomaly

25.9658, 0.3079, 0.2427



## Tritanomaly

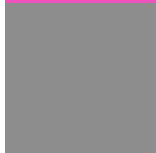
27.3721, 0.4357, 0.2816

# Monochromacy



## Original Color

27.7132, 0.3745, 0.2202



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

25.1317, 0.3365, 0.2747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.7132, 0.3745, 0.2202 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(237, 82, 189)` looks like.

```
.text, #text, p{  
    color:rgb(237, 82, 189)  
}
```

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(237, 82, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 82, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 27.7132, 0.3745, 0.2202 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(237, 82, 189) }
```

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

```
.border{ border-color:rgb(237, 82, 189) }
```

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

Here you see how a box with a 4 pixel rgb(237, 82, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 82, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 82, 189);  
box-shadow:4px 4px 4px 4px rgb(237, 82,  
189) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 27.7132, 0.3745, 0.2202$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 82, 189) }
```

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

```
.background{ background-color: rgb(237, 82,  
189) }
```

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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