

# Converting Colors

$Y_{xy}(25.4775, 0.3855, 0.2193)$

Have a look what the booklet for  
Yxy(25.4775, 0.3855, 0.2193)  
contains.

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# Color

**Yxy(25.4639, 0.3860, 0.2196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB47B4
RGB	235, 71, 180
RGB Percent	92%, 28%, 71%
CMY	0.0783, 0.7217, 0.2941
CMYK	0.00, 0.70, 0.23, 0.08
HSL	320°, 80%, 60%
HSV	320°, 70%, 92%
XYZ	44.7589, 25.4639, 45.7330
YIQ	132.4620, 62.7550, 68.6670

# Conversions

## Conversions Part 2

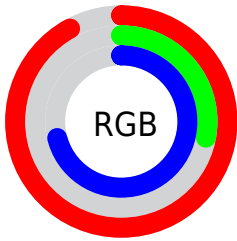
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 71, 180
Decimal	15419316
CIE <sub>Lab</sub>	57.52, 72.08, -23.01
CIE <sub>LCh</sub>	58, 75.669, 342.294
Yxy	25.4639, 0.3860, 0.2196
Android (android.graphics.Color)	4293609396 (0xFFEB47B4)
YUV	132.4620, 23.4362, 89.9258
Hunter-Lab	50.4618, 70.0191, -18.4107

# Details

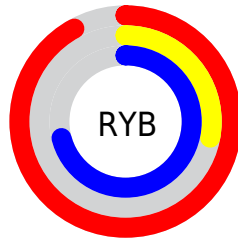
The Yxy color **25.4639, 0.3860, 0.2196** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **62.2784, 0.2814, 0.4857**, and the grayscale version is **23.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5487, 0.3352, 0.2263**, and **10.6463, 0.4047, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **22.7207, 0.4008, 0.2129**, and if you desaturate by 10%, it is **29.3830, 0.3718, 0.2306**.

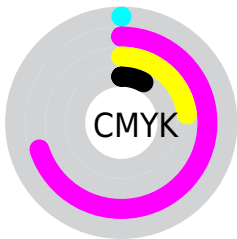
# Distribution



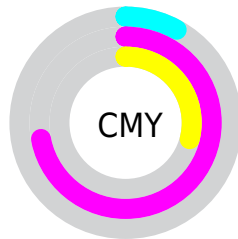
- Red (92%)
- Green (28%)
- Blue (71%)



- Red (92%)
- Yellow (28%)
- Blue (71%)



- Cyan (0%)
- Magenta (70%)
- Yellow (23%)
- Black (8%)




- Cyan (8%)
- Magenta (72%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4639, 0.3860, 0.2196 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 25.4639, 0.3860, 0.2196 by changing the saturation by 10% instead.





 25.4639, 0.3860,  
0.2196


 25.4639, 0.3860,  
0.2196


280.1404, 0.3487,  
0.2739


 16.4230, 0.3954,  
0.2064


 52.4088, 0.3723,  
0.2391


 9.8240, 0.4076,  
0.1897


 71.0816, 0.3672,  
0.2465

 5.2824, 0.4237,  
0.1681


 93.7339, 0.3629,  
0.2528

 2.4139, 0.4460,  
0.1393

 120.7499, 0.3592,  
0.2582

 0.8330, 0.4783,  
0.1004

 152.5142, 0.3561,  
0.2629

 0.0000, 0.5546,  
0.0000

189.4111, 0.3533,


 0.0000, 0.8096,


0.2670

0.0000


231.8251, 0.3508,  
0.2707

 0.0000, 0.0000,  
0.0000


 25.4639, 0.3860,  
0.2196


 25.4639, 0.3860,  
0.2196


 22.7207, 0.4008,  
0.2129


 29.3830, 0.3718,  
0.2306


 21.0075, 0.4155,  
0.2113


 34.5937, 0.3585,  
0.2447


 20.0891, 0.4299,  
0.2143

 41.2019, 0.3466,  
0.2609


 20.0737, 0.4302,  
0.2144

 49.3016, 0.3360,  
0.2782

 58.9785, 0.3269,  
0.2957

 70.3118, 0.3192,  
0.3129

 83.3754, 0.3126,  
0.3293

 95.6624, 0.3072,  
0.3409

 96.1492, 0.3028,  
0.3330

# Harmonies

## Analogous

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



25.4639, 0.2586, 0.1740



25.4639, 0.3860, 0.2196



25.4639, 0.5084, 0.2851

# Triad

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



25.4639, 0.3860, 0.2196



25.4639, 0.4297, 0.5287



25.4639, 0.1171, 0.2208

# Complementary

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



25.4639, 0.3860, 0.2196



62.2784, 0.2814, 0.4857

# 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.



25.4639, 0.1434, 0.3347



25.4639, 0.3860, 0.2196



25.4639, 0.3208, 0.5709

# Square

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



25.4639, 0.3860, 0.2196



25.4639, 0.5189, 0.4424



25.4639, 0.2153, 0.4913



25.4639, 0.1272, 0.1678



# Rectangle

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



25.4639, 0.3860, 0.2196



25.4639, 0.5511, 0.3340



25.4639, 0.2153, 0.4913



25.4639, 0.1214, 0.2512

# Sweetspot

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



25.4652, 0.3860, 0.2196



69.3599, 0.3280, 0.2935



14.9125, 0.2135, 0.1234



14.1278, 0.3305, 0.2886



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.



25.4652, 0.3860, 0.2196



26.2570, 0.4076, 0.2115



23.0579, 0.5108, 0.3040



15.2229, 0.3189, 0.3135



11.1935, 0.4280, 0.2131



0.8967, 0.4094, 0.2029



# Inverse Universe

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



25.4652, 0.3860, 0.2196



26.2570, 0.4076, 0.2115



65.3105, 0.2443, 0.3654



15.2229, 0.3189, 0.3135



11.1935, 0.4280, 0.2131

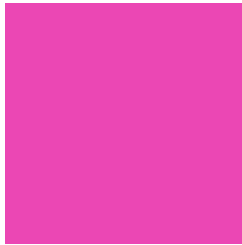


0.8967, 0.4094, 0.2029



# Previews

## White Background



This preview shows how the Yxy color 25.4639, 0.3860, 0.2196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

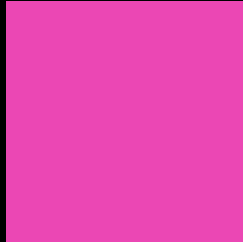
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.4639, 0.3860, 0.2196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

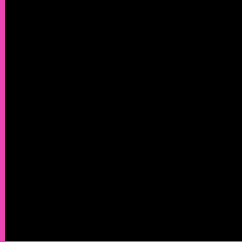
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.4639, 0.3860, 0.2196**

## Background



This preview shows how black text looks on a background with the Yxy color 25.4639, 0.3860, 0.2196.



This preview shows how white text looks on a background with the Yxy color 25.4639, 0.3860, 0.2196.

# 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

25.4639, 0.3860, 0.2196

### Protanopia

26.0308, 0.2135, 0.1961

### Deuteranopia

25.7828, 0.2793, 0.2737



## Tritanopia

25.4195, 0.4869, 0.3231

# Trichromacy



## Original Color

25.4639, 0.3860, 0.2196



## Protanomaly

22.7314, 0.2551, 0.1928



## Deuteranomaly

23.4150, 0.3145, 0.2418



## Tritanomaly

25.2295, 0.4522, 0.2835

# Monochromacy



## Original Color

25.4639, 0.3860, 0.2196



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

21.7568, 0.3407, 0.2709

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4639, 0.3860, 0.2196 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(235, 71, 180)` looks like.

```
.text, #text, p{  
  color:rgb(235, 71, 180)  
}
```

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(235, 71, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 71, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4639, 0.3860, 0.2196 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(235, 71, 180) }
```

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

```
.border{ border-color:rgb(235, 71, 180) }
```

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

Here you see how a box with a 4 pixel rgb(235, 71, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 71, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 71, 180);  
box-shadow:4px 4px 4px 4px rgb(235, 71,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.4639, 0.3860, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 71, 180) }
```

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

```
.background{ background-color: rgb(235, 71,  
180) }
```

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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