

# Converting Colors

$Y_{xy}(41.1936, 0.3282, 0.2470)$

Have a look what the booklet for  
Yxy(41.1936, 0.3282, 0.2470)  
contains.

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# Color

**Yxy(41.0138, 0.3280, 0.2468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E58ED9
RGB	229, 142, 217
RGB Percent	90%, 56%, 85%
CMY	0.1019, 0.4431, 0.1492
CMYK	0.00, 0.38, 0.05, 0.10
HSL	308°, 63%, 73%
HSV	308°, 38%, 90%
XYZ	54.5078, 41.0138, 70.6607
YIQ	176.5630, 27.7770, 41.7690

# Conversions

## Conversions Part 2

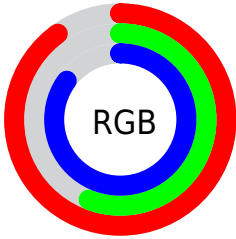
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 142, 217
Decimal	15044313
CIE Lab	70.19, 43.92, -24.56
CIE LCh	70, 50.321, 330.787
Yxy	41.0138, 0.3280, 0.2468
Android (android.graphics.Color)	4293234393 (0xFFE58ED9)
YUV	176.5630, 19.9354, 45.9872
Hunter-Lab	64.0420, 39.8524, -20.5882

# Details

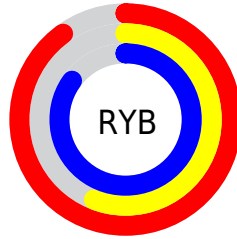
The Yxy color **41.0138, 0.3280, 0.2468** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.1298, 0.3006, 0.4282**, and the grayscale version is **43.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **18.5240, 0.3307, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **34.7229, 0.3330, 0.2266**, and if you desaturate by 10%, it is **48.7113, 0.3233, 0.2684**.

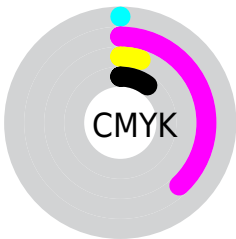
# Distribution



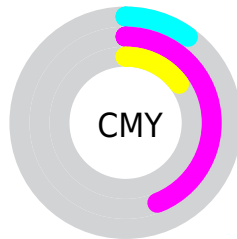
- Red (90%)
- Green (56%)
- Blue (85%)



- Red (90%)
- Yellow (56%)
- Blue (85%)



- Cyan (0%)
- Magenta (38%)
- Yellow (5%)
- Black (10%)




- Cyan (10%)
- Magenta (44%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0138, 0.3280, 0.2468 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 41.0138, 0.3280, 0.2468 by changing the saturation by 10% instead.




 41.0138, 0.3280,  
0.2468


 41.0138, 0.3280,  
0.2468


350.3783, 0.3215,  
0.2857

 28.3299, 0.3293,  
0.2378


 76.7048, 0.3259,  
0.2604

 18.5745, 0.3308,  
0.2265


 100.4807, 0.3250,  
0.2657

 11.3632, 0.3326,  
0.2122


128.7228, 0.3242,  
0.2702

 6.3117, 0.3345,  
0.1935

161.8153, 0.3235,  
0.2741

 3.0355, 0.3364,  
0.1681

200.1427, 0.3229,  
0.2776

 1.1503, 0.3372,  
0.1324

244.0894, 0.3224,

 0.0205, 0.3600,

0.2806

0.0066

294.0398, 0.3219,  
0.2833

0.0000, 0.0688,  
0.0000

0.0000, 0.0000,  
0.0000

41.0138, 0.3280,  
0.2468

41.0138, 0.3280,  
0.2468

34.7229, 0.3330,  
0.2266

48.7113, 0.3233,  
0.2684

29.7469, 0.3383,  
0.2087


57.8890, 0.3191,  
0.2904


25.9916, 0.3437,  
0.1941

68.6217, 0.3154,  
0.3121

23.3481, 0.3491,  
0.1835


80.9777, 0.3121,  
0.3331


 21.6884, 0.3542,  
0.1775

 94.0521, 0.3093,  
0.3515

 20.8332, 0.3589,  
0.1757

 94.2349, 0.3075,  
0.3482

 20.7039, 0.3599,  
0.1756

 94.4209, 0.3057,  
0.3450

 94.6102, 0.3040,  
0.3417

 94.8028, 0.3022,  
0.3385

# Harmonies

## Analogous

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



41.0138, 0.2580, 0.2220



41.0138, 0.3280, 0.2468



41.0138, 0.4015, 0.2886

# Triad

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



41.0138, 0.3280, 0.2468



41.0138, 0.4182, 0.4424



41.0138, 0.1921, 0.2929

# Complementary

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



41.0138, 0.3280, 0.2468



64.1298, 0.3006, 0.4282

# 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.



41.0138, 0.2260, 0.3679



41.0138, 0.3280, 0.2468



41.0138, 0.3556, 0.4642

# Square

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



41.0138, 0.3280, 0.2468



41.0138, 0.4548, 0.3949



41.0138, 0.2852, 0.4377



41.0138, 0.1869, 0.2414



# Rectangle

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



41.0138, 0.3280, 0.2468



41.0138, 0.4384, 0.3225



41.0138, 0.2852, 0.4377



41.0138, 0.2001, 0.3161

# Sweetspot

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



41.0156, 0.3280, 0.2468



83.1431, 0.3165, 0.3055



31.8380, 0.2518, 0.2162



17.3889, 0.3170, 0.3026



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.



41.0156, 0.3280, 0.2468



45.5685, 0.3321, 0.2299



39.0605, 0.3714, 0.2924



14.5791, 0.3159, 0.3090



11.8499, 0.3592, 0.1752



0.8852, 0.3528, 0.1717



# Inverse Universe

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



41.0156, 0.3280, 0.2468



45.5685, 0.3321, 0.2299



65.8309, 0.2766, 0.3696



14.5791, 0.3159, 0.3090



11.8499, 0.3592, 0.1752



0.8852, 0.3528, 0.1717



# Previews

## White Background



This preview shows how the Yxy color 41.0138, 0.3280, 0.2468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

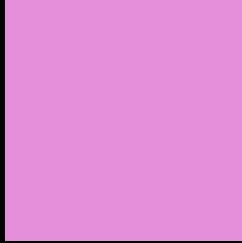
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0138, 0.3280, 0.2468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

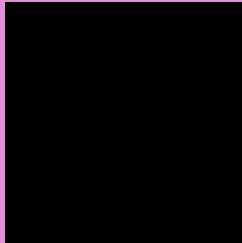
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.0138, 0.3280, 0.2468**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0138, 0.3280, 0.2468.



This preview shows how white text looks on a background with the Yxy color 41.0138, 0.3280, 0.2468.

# 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

41.0138, 0.3280, 0.2468

### Protanopia

41.5393, 0.2506, 0.2443

### Deuteranopia

41.0836, 0.2782, 0.2719



## Tritanopia

40.9924, 0.3717, 0.3161

# Trichromacy



## Original Color

41.0138, 0.3280, 0.2468



## Protanomaly

40.5581, 0.2743, 0.2436



## Deuteranomaly

40.5985, 0.2945, 0.2612



## Tritanomaly

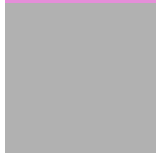
40.9213, 0.3563, 0.2896

# Monochromacy



## Original Color

41.0138, 0.3280, 0.2468



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

42.0925, 0.3180, 0.2939

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0138, 0.3280, 0.2468 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(229, 142, 217)` looks like.

```
.text, #text, p{  
    color:rgb(229, 142, 217)  
}
```

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(229, 142, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 142, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0138, 0.3280, 0.2468 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(229, 142, 217) }
```

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

```
.border{ border-color:rgb(229, 142, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 142, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 142, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 142, 217);  
box-shadow:4px 4px 4px 4px rgb(229, 142,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0138, 0.3280, 0.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 142, 217) }
```

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

```
.background{ background-color: rgb(229,  
142, 217) }
```

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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