

# Converting Colors

$Y_{xy}(38.1794, 0.3205, 0.2307)$

Have a look what the booklet for  
Yxy(38.1794, 0.3205, 0.2307)  
contains.

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# Color

**Yxy(38.2715, 0.3202, 0.2309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E285DF
RGB	226, 133, 223
RGB Percent	89%, 52%, 87%
CMY	0.1137, 0.4784, 0.1255
CMYK	0.00, 0.41, 0.01, 0.11
HSL	302°, 62%, 70%
HSV	302°, 41%, 89%
XYZ	53.0729, 38.2715, 74.4048
YIQ	171.0670, 26.5380, 47.7060

# Conversions

## Conversions Part 2

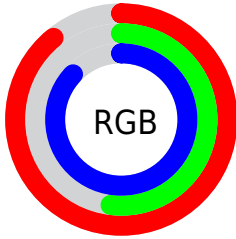
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	226, 133, 223
Decimal	14845407
CIE Lab	68.22, 48.71, -30.95
CIE LCh	68, 57.716, 327.567
Yxy	38.2715, 0.3202, 0.2309
Android (android.graphics.Color)	4293035487 (0xFFE285DF)
YUV	171.0670, 25.6030, 48.1762
Hunter-Lab	61.8640, 44.8727, -28.0043

# Details

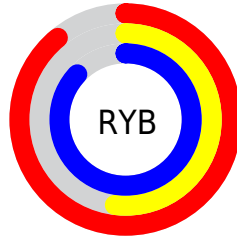
The Yxy color **38.2715, 0.3202, 0.2309** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.1615, 0.3051, 0.4517**, and the grayscale version is **40.6201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.9995, 0.3198, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **32.6970, 0.3221, 0.2098**, and if you desaturate by 10%, it is **45.1808, 0.3183, 0.2540**.

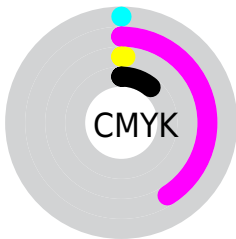
# Distribution



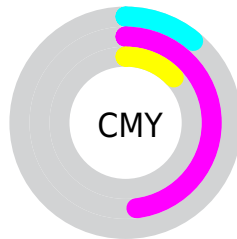
- Red (89%)
- Green (52%)
- Blue (87%)



- Red (89%)
- Yellow (52%)
- Blue (87%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (11%)




- Cyan (11%)
- Magenta (48%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2715, 0.3202, 0.2309 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 38.2715, 0.3202, 0.2309 by changing the saturation by 10% instead.





 38.2715, 0.3202,  
0.2309


 38.2715, 0.3202,  
0.2309


338.7832, 0.3180,  
0.2771


 26.1935, 0.3203,  
0.2203


 72.5241, 0.3197,  
0.2470

 16.9684, 0.3202,  
0.2072


 95.4674, 0.3195,  
0.2533

 10.2120, 0.3198,  
0.1906


 122.8014, 0.3192,  
0.2586

 5.5397, 0.3185,  
0.1693

154.9102, 0.3189,  
0.2633

 2.5673, 0.3153,  
0.1409

192.1785, 0.3187,  
0.2674

 0.9103, 0.3076,  
0.1026

234.9904, 0.3184,


 0.0000, 0.3035,


0.2710

0.0000


283.7305, 0.3182,  
0.2742

 0.0000, 0.0000,  
0.0000

 38.2715, 0.3202,  
0.2309


 38.2715, 0.3202,  
0.2309


 32.6970, 0.3221,  
0.2098

 45.1808, 0.3183,  
0.2540

 28.3661, 0.3239,  
0.1916


 53.4984, 0.3164,  
0.2782


 25.1841, 0.3256,  
0.1771


 63.2984, 0.3146,  
0.3025

 23.0405, 0.3271,  
0.1669

 74.6482, 0.3129,  
0.3263

 21.8035, 0.3283,  
0.1611

 87.6113, 0.3114,  
0.3491

 21.2693, 0.3293,  
0.1587

 93.2574, 0.3105,  
0.3573

 93.2979, 0.3101,  
0.3566

 93.3385, 0.3097,  
0.3558

 93.3794, 0.3093,  
0.3550

# Harmonies

## Analogous

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



38.2715, 0.2415, 0.2054



38.2715, 0.3202, 0.2309



38.2715, 0.4082, 0.2759

# Triad

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



38.2715, 0.3202, 0.2309



38.2715, 0.4392, 0.4528



38.2715, 0.1767, 0.2933

# Complementary

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



38.2715, 0.3202, 0.2309



61.1615, 0.3051, 0.4517

# 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.



38.2715, 0.2175, 0.3846



38.2715, 0.3202, 0.2309



38.2715, 0.3684, 0.4874

# Square

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



38.2715, 0.3202, 0.2309



38.2715, 0.4794, 0.3946



38.2715, 0.2873, 0.4657



38.2715, 0.1684, 0.2314



# Rectangle

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



38.2715, 0.3202, 0.2309



38.2715, 0.4545, 0.3131



38.2715, 0.2873, 0.4657



38.2715, 0.1866, 0.3215

# Sweetspot

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



38.2732, 0.3202, 0.2309



81.9431, 0.3147, 0.3003



27.3802, 0.2374, 0.2029



17.1573, 0.3150, 0.2971



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.



38.2732, 0.3202, 0.2309



44.2014, 0.3218, 0.2134



36.1577, 0.3662, 0.2771



13.9276, 0.3143, 0.3066



12.1367, 0.3291, 0.1587



0.8437, 0.3278, 0.1579



# Inverse Universe

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



38.2732, 0.3202, 0.2309



44.2014, 0.3218, 0.2134



62.7223, 0.2801, 0.3886



13.9276, 0.3143, 0.3066



12.1367, 0.3291, 0.1587

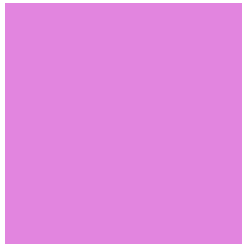


0.8437, 0.3278, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 38.2715, 0.3202, 0.2309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

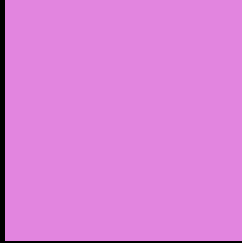
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.2715, 0.3202, 0.2309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

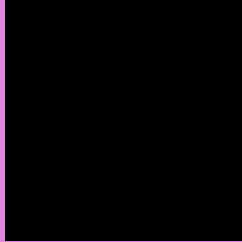
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.2715, 0.3202, 0.2309**

## Background



This preview shows how black text looks on a background with the Yxy color 38.2715, 0.3202, 0.2309.



This preview shows how white text looks on a background with the Yxy color 38.2715, 0.3202, 0.2309.

# 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

38.2715, 0.3202, 0.2309

### Protanopia

38.7553, 0.2356, 0.2243

### Deuteranopia

38.6286, 0.2649, 0.2590



## Tritanopia

38.2415, 0.3759, 0.3158

# Trichromacy



## Original Color

38.2715, 0.3202, 0.2309



## Protanomaly

37.6134, 0.2611, 0.2251



## Deuteranomaly

37.7207, 0.2826, 0.2466



## Tritanomaly

38.0956, 0.3548, 0.2820

# Monochromacy



## Original Color

38.2715, 0.3202, 0.2309



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

38.9080, 0.3156, 0.2867

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2715, 0.3202, 0.2309 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(226, 133, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 223)  
}
```

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(226, 133, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2715, 0.3202, 0.2309 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(226, 133, 223) }
```

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

```
.border{ border-color:rgb(226, 133, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2715, 0.3202, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 223) }
```

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

```
.background{ background-color: rgb(226,  
133, 223) }
```

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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