

# Converting Colors

Yxy(37.9889, 0.3184, 0.2319)

Have a look what the booklet for  
Yxy(37.9889, 0.3184, 0.2319)  
contains.

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# Color

**Yxy(38.0121, 0.3182, 0.2320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF86DE
RGB	223, 134, 222
RGB Percent	87%, 53%, 87%
CMY	0.1256, 0.4744, 0.1294
CMYK	0.00, 0.40, 0.00, 0.13
HSL	301°, 58%, 70%
HSV	301°, 40%, 87%
XYZ	52.1356, 38.0121, 73.6976
YIQ	170.6430, 24.7960, 46.2360

# Conversions

## Conversions Part 2

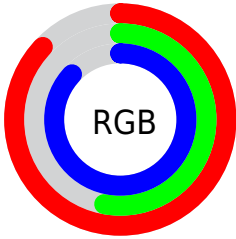
Format	Color
R <sub>Y</sub> B	223, 134, 222
Decimal	14649054
CIE Lab	68.03, 47.10, -30.72
CIE LCh	68, 56.232, 326.883
Yxy	38.0121, 0.3182, 0.2320
Android (android.graphics.Color)	4292839134 (0xFFDF86DE)
YUV	170.6430, 25.3190, 45.9171
Hunter-Lab	61.6540, 43.0480, -27.7141

# Details

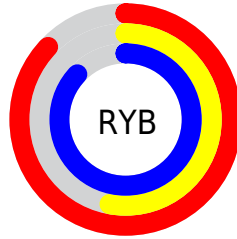
The Yxy color **38.0121, 0.3182, 0.2320** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.5812, 0.3064, 0.4498**, and the grayscale version is **40.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **16.7819, 0.3171, 0.2075** is the 20% darker color. If you saturate the color by 10%, you get **32.4722, 0.3195, 0.2103**, and if you desaturate by 10%, it is **44.8548, 0.3168, 0.2557**.

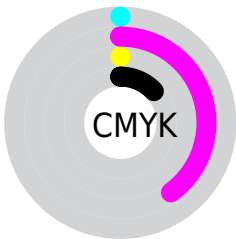
# Distribution



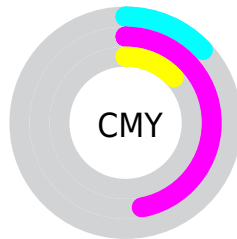
- Red (87%)
- Green (53%)
- Blue (87%)



- Red (87%)
- Yellow (53%)
- Blue (87%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)




- Cyan (13%)
- Magenta (47%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0121, 0.3182, 0.2320 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 38.0121, 0.3182, 0.2320 by changing the saturation by 10% instead.





 38.0121, 0.3182,  
0.2320


 38.0121, 0.3182,  
0.2320


337.6719, 0.3170,  
0.2778

 25.9921, 0.3181,  
0.2214


 72.1267, 0.3181,  
0.2480

 16.8177, 0.3177,  
0.2084


 94.9900, 0.3179,  
0.2542

 10.1046, 0.3169,  
0.1919


 122.2366, 0.3178,  
0.2595

 5.4684, 0.3151,  
0.1705

154.2508, 0.3176,  
0.2641

 2.5246, 0.3112,  
0.1420

191.4171, 0.3174,  
0.2682

 0.8889, 0.3024,  
0.1033

234.1197, 0.3173,


 0.0000, 0.2958,


0.2718

0.0000


282.7432, 0.3171,  
0.2750

 0.0000, 0.0000,  
0.0000

 38.0121, 0.3182,  
0.2320


 38.0121, 0.3182,  
0.2320

 32.4722, 0.3195,  
0.2103


 44.8548, 0.3168,  
0.2557


 28.1476, 0.3207,  
0.1915


 53.0704, 0.3154,  
0.2803


 24.9484, 0.3218,  
0.1763


 62.7299, 0.3140,  
0.3051

 22.7698, 0.3226,  
0.1654


 73.8982, 0.3127,  
0.3293

 21.4873, 0.3232,  
0.1588

 86.6361, 0.3115,  
0.3524

 20.8851, 0.3237,  
0.1557

 92.5569, 0.3109,  
0.3616

 20.8798, 0.3237,  
0.1557

 92.5701, 0.3107,  
0.3614

 92.5834, 0.3106,  
0.3611

 92.5966, 0.3105,  
0.3609

# Harmonies

## Analogous

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



38.0121, 0.2416, 0.2074



38.0121, 0.3182, 0.2320



38.0121, 0.4042, 0.2760

# Triad

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



38.0121, 0.3182, 0.2320



38.0121, 0.4381, 0.4495



38.0121, 0.1800, 0.2962

# Complementary

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



38.0121, 0.3182, 0.2320



59.5812, 0.3064, 0.4498

# 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.



38.0121, 0.2210, 0.3854



38.0121, 0.3182, 0.2320



38.0121, 0.3694, 0.4835

# Square

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



38.0121, 0.3182, 0.2320



38.0121, 0.4762, 0.3924



38.0121, 0.2899, 0.4633



38.0121, 0.1709, 0.2346



# Rectangle

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



38.0121, 0.3182, 0.2320



38.0121, 0.4499, 0.3124



38.0121, 0.2899, 0.4633



38.0121, 0.1901, 0.3240

# Sweetspot

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



38.0138, 0.3182, 0.2320



81.9850, 0.3143, 0.2997



27.4520, 0.2390, 0.2071



17.1673, 0.3145, 0.2964



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.



38.0138, 0.3182, 0.2320



45.0598, 0.3193, 0.2135



35.9741, 0.3622, 0.2770



13.9329, 0.3140, 0.3062



12.2813, 0.3237, 0.1557



0.8521, 0.3232, 0.1554



# Inverse Universe

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



38.0138, 0.3182, 0.2320



45.0598, 0.3193, 0.2135



61.0666, 0.2818, 0.3885



13.9329, 0.3140, 0.3062



12.2813, 0.3237, 0.1557

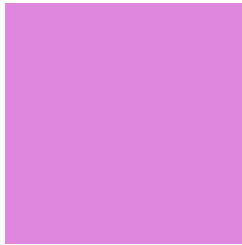


0.8521, 0.3232, 0.1554



# Previews

## White Background



This preview shows how the Yxy color 38.0121, 0.3182, 0.2320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

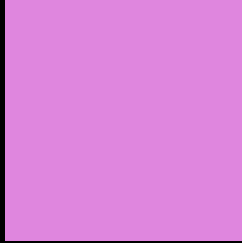
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.0121, 0.3182, 0.2320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

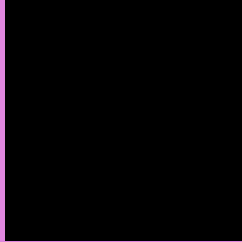
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0121, 0.3182, 0.2320**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0121, 0.3182, 0.2320.



This preview shows how white text looks on a background with the Yxy color 38.0121, 0.3182, 0.2320.

# 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

38.0121, 0.3182, 0.2320

### Protanopia

38.2759, 0.2364, 0.2249

### Deuteranopia

38.1727, 0.2640, 0.2575



## Tritanopia

38.1301, 0.3715, 0.3157

# Trichromacy



## Original Color

38.0121, 0.3182, 0.2320



## Protanomaly

37.1169, 0.2608, 0.2246



## Deuteranomaly

37.2742, 0.2817, 0.2451



## Tritanomaly

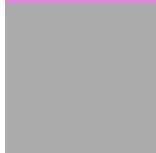
37.9277, 0.3516, 0.2826

# Monochromacy



## Original Color

38.0121, 0.3182, 0.2320



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

39.1186, 0.3146, 0.2879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0121, 0.3182, 0.2320 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(223, 134, 222)` looks like.

```
.text, #text, p{  
    color:rgb(223, 134, 222)  
}
```

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(223, 134, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 134, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0121, 0.3182, 0.2320 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(223, 134, 222) }
```

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

```
.border{ border-color:rgb(223, 134, 222) }
```

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

Here you see how a box with a 4 pixel rgb(223, 134, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 134, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 134, 222);  
box-shadow:4px 4px 4px 4px rgb(223, 134,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0121, 0.3182, 0.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 134, 222) }
```

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

```
.background{ background-color: rgb(223,  
134, 222) }
```

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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