

# Converting Colors

$Y_{xy}(44.7962, 0.3267, 0.2505)$

Have a look what the booklet for  
Yxy(44.7962, 0.3267, 0.2505)  
contains.

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# Color

**Yxy(44.8026, 0.3274, 0.2508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB96DF
RGB	235, 150, 223
RGB Percent	92%, 59%, 87%
CMY	0.0784, 0.4118, 0.1256
CMYK	0.00, 0.36, 0.05, 0.08
HSL	309°, 68%, 75%
HSV	309°, 36%, 92%
XYZ	58.4863, 44.8026, 75.3498
YIQ	183.7370, 27.2270, 40.7230

# Conversions

## Conversions Part 2

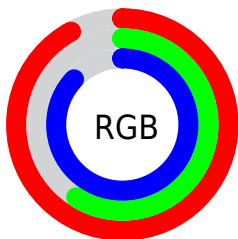
Format	Color
R <sub>Y</sub> B	235, 150, 223
Decimal	15439583
CIE Lab	72.76, 42.69, -23.87
CIE LCh	73, 48.906, 330.790
Yxy	44.8026, 0.3274, 0.2508
Android (android.graphics.Color)	4293629663 (0xFFEB96DF)
YUV	183.7370, 19.3567, 44.9577
Hunter-Lab	66.9347, 38.8342, -19.8897

# Details

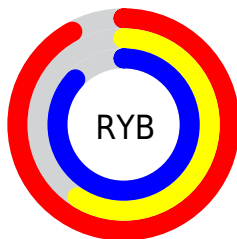
The Yxy color **44.8026, 0.3274, 0.2508** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.5216, 0.3010, 0.4224**, and the grayscale version is **47.6612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **20.8415, 0.3299, 0.2315** is the 20% darker color. If you saturate the color by 10%, you get **37.8632, 0.3325, 0.2303**, and if you desaturate by 10%, it is **53.2536, 0.3227, 0.2725**.

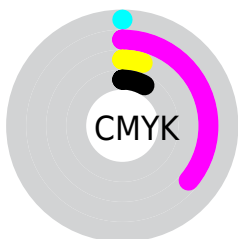
# Distribution



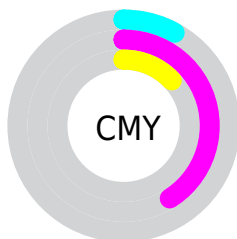
- Red (92%)
- Green (59%)
- Blue (87%)



- Red (92%)
- Yellow (59%)
- Blue (87%)



- Cyan (0%)
- Magenta (36%)
- Yellow (5%)
- Black (8%)




- Cyan (8%)
- Magenta (41%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8026, 0.3274, 0.2508 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 44.8026, 0.3274, 0.2508 by changing the saturation by 10% instead.





 44.8026, 0.3274,  
0.2508


 44.8026, 0.3274,  
0.2508


365.9735, 0.3211,  
0.2874

 31.3020, 0.3287,  
0.2424


 82.4241, 0.3254,  
0.2636

 20.8289, 0.3301,  
0.2320


 107.3138, 0.3245,  
0.2685

 12.9990, 0.3318,  
0.2188

136.7686, 0.3238,  
0.2728

 7.4279, 0.3337,  
0.2016

171.1729, 0.3231,  
0.2765

 3.7311, 0.3357,  
0.1785

210.9112, 0.3226,  
0.2797

 1.5243, 0.3372,  
0.1460

256.3678, 0.3220,

 0.3057, 0.3450,

0.2826

0.0735

307.9271, 0.3216,  
0.2851

0.0000, 0.2605,  
0.0000

0.0000, 0.0000,  
0.0000

44.8026, 0.3274,  
0.2508

44.8026, 0.3274,  
0.2508

37.8632, 0.3325,  
0.2303

53.2536, 0.3227,  
0.2725

32.3389, 0.3379,  
0.2119

63.2931, 0.3185,  
0.2944

28.1315, 0.3434,  
0.1967

74.9999, 0.3148,  
0.3161

25.1279, 0.3489,  
0.1855

88.4459, 0.3115,  
0.3368

■ 23.1958, 0.3542,  
0.1787

■ 95.4541, 0.3092,  
0.3443

■ 22.1705, 0.3591,  
0.1764

■ 95.6536, 0.3073,  
0.3410

■ 21.9148, 0.3610,  
0.1762

■ 95.8568, 0.3054,  
0.3376

■ 96.0636, 0.3035,  
0.3343

■ 96.2741, 0.3017,  
0.3310

# Harmonies

## Analogous

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



44.8026, 0.2610, 0.2271



44.8026, 0.3274, 0.2508



44.8026, 0.3966, 0.2909

# Triad

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



44.8026, 0.3274, 0.2508



44.8026, 0.4131, 0.4370



44.8026, 0.1980, 0.2953

# Complementary

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



44.8026, 0.3274, 0.2508



68.5216, 0.3010, 0.4224

# 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.



44.8026, 0.2307, 0.3658



44.8026, 0.3274, 0.2508



44.8026, 0.3540, 0.4563

# Square

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



44.8026, 0.3274, 0.2508



44.8026, 0.4473, 0.3925



44.8026, 0.2871, 0.4308



44.8026, 0.1929, 0.2462



# Rectangle

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



44.8026, 0.3274, 0.2508



44.8026, 0.4313, 0.3234



44.8026, 0.2871, 0.4308



44.8026, 0.2059, 0.3173

# Sweetspot

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



44.8046, 0.3274, 0.2508



83.1373, 0.3165, 0.3056



35.4253, 0.2551, 0.2222



17.3875, 0.3170, 0.3027



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.



44.8046, 0.3274, 0.2508



47.8766, 0.3309, 0.2362



42.8223, 0.3676, 0.2941



15.2749, 0.3160, 0.3090



12.2090, 0.3603, 0.1758



0.9688, 0.3540, 0.1724



# Inverse Universe

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



44.8046, 0.3274, 0.2508



47.8766, 0.3309, 0.2362



70.2631, 0.2781, 0.3674



15.2749, 0.3160, 0.3090



12.2090, 0.3603, 0.1758



0.9688, 0.3540, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 44.8026, 0.3274, 0.2508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

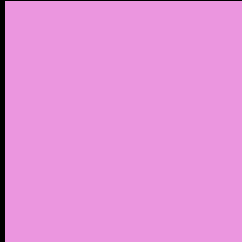
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8026, 0.3274, 0.2508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

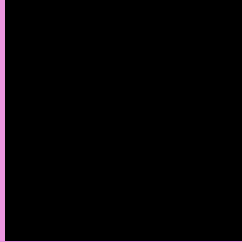
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8026, 0.3274, 0.2508**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8026, 0.3274, 0.2508.



This preview shows how white text looks on a background with the Yxy color 44.8026, 0.3274, 0.2508.

# 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

44.8026, 0.3274, 0.2508

### Protanopia

45.3287, 0.2543, 0.2492

### Deuteranopia

44.9520, 0.2808, 0.2751



## Tritanopia

44.7782, 0.3685, 0.3153

# Trichromacy



## Original Color

44.8026, 0.3274, 0.2508



## Protanomaly

44.2004, 0.2770, 0.2483



## Deuteranomaly

44.3101, 0.2959, 0.2645



## Tritanomaly

44.5274, 0.3527, 0.2895

# Monochromacy



## Original Color

44.8026, 0.3274, 0.2508



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.2788, 0.3186, 0.2974

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8026, 0.3274, 0.2508 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, 150, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 150, 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(235, 150, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 150, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8026, 0.3274, 0.2508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

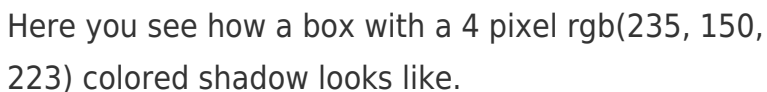
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 150, 223) }
```

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

```
.border{ border-color:rgb(235, 150, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 150, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 150, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 150, 223); box-shadow:4px 4px 4px 4px rgb(235, 150, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8026, 0.3274, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 150, 223) }
```

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

```
.background{ background-color: rgb(235,  
150, 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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