

# Converting Colors

$Y_{xy}(47.8300, 0.3302, 0.2619)$

Have a look what the booklet for  
Yxy(47.8300, 0.3302, 0.2619)  
contains.

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# Color

**Yxy(47.6787, 0.3302, 0.2615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED9EDD
RGB	237, 158, 221
RGB Percent	93%, 62%, 87%
CMY	0.0706, 0.3804, 0.1333
CMYK	0.00, 0.33, 0.07, 0.07
HSL	312°, 69%, 77%
HSV	312°, 33%, 93%
XYZ	60.2046, 47.6787, 74.4444
YIQ	188.8030, 26.8610, 36.3410

# Conversions

## Conversions Part 2

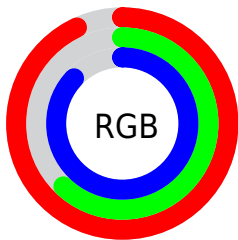
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 158, 221
Decimal	15572701
CIE Lab	74.62, 38.79, -19.95
CIE LCh	75, 43.622, 332.788
Yxy	47.6787, 0.3302, 0.2615
Android (android.graphics.Color)	4293762781 (0xFFED9EDD)
YUV	188.8030, 15.8731, 42.2688
Hunter-Lab	69.0498, 34.7974, -15.5873

# Details

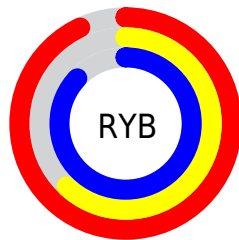
The Yxy color  $47.6787, 0.3302, 0.2615$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $70.8950, 0.2992, 0.4077$ , and the grayscale version is  $50.6682, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.5731, 0.3146, 0.2891$ , and  $22.5596, 0.3339, 0.2449$  is the 20% darker color. If you saturate the color by 10%, you get  $40.1080, 0.3370, 0.2417$ , and if you desaturate by 10%, it is  $56.8200, 0.3241, 0.2820$ .

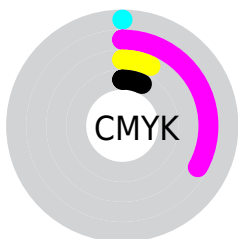
# Distribution



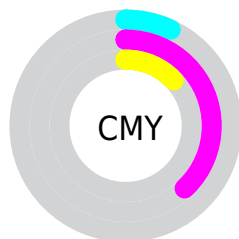
- Red (93%)
- Green (62%)
- Blue (87%)



- Red (93%)
- Yellow (62%)
- Blue (87%)



- Cyan (0%)
- Magenta (33%)
- Yellow (7%)
- Black (7%)




- Cyan (7%)
- Magenta (38%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6787, 0.3302, 0.2615 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 47.6787, 0.3302, 0.2615 by changing the saturation by 10% instead.




 47.6787, 0.3302,  
0.2615


 47.6787, 0.3302,  
0.2615


377.5172, 0.3224,  
0.2931

 33.5725, 0.3319,  
0.2542


 86.7258, 0.3275,  
0.2725

 22.5654, 0.3340,  
0.2452


 112.4356, 0.3265,  
0.2768

 14.2729, 0.3365,  
0.2337


142.7819, 0.3256,  
0.2805

 8.3107, 0.3397,  
0.2187

178.1493, 0.3248,  
0.2837

 4.2944, 0.3436,  
0.1983

218.9222, 0.3241,  
0.2865

 1.8396, 0.3486,  
0.1693

265.4848, 0.3234,

 0.5117, 0.3580,

0.2889

0.1157

318.2217, 0.3229,  
0.2912

0.0000, 0.3380,  
0.0000

0.0000, 0.0000,  
0.0000

47.6787, 0.3302,  
0.2615

47.6787, 0.3302,  
0.2615

40.1080, 0.3370,  
0.2417

56.8200, 0.3241,  
0.2820

34.0114, 0.3444,  
0.2236

67.6083, 0.3188,  
0.3026

29.2920, 0.3522,  
0.2082

80.1226, 0.3141,  
0.3225

25.8383, 0.3602,  
0.1966

94.4351, 0.3101,  
0.3416

■ 23.5216, 0.3682,  
0.1893

■ 96.1174, 0.3073,  
0.3389

■ 22.1857, 0.3759,  
0.1868

■ 96.4142, 0.3046,  
0.3341

■ 21.6804, 0.3809,  
0.1872

■ 96.7187, 0.3020,  
0.3294

■ 96.7450, 0.3017,  
0.3290

# Harmonies

## Analogous

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



47.6787, 0.2710, 0.2391



47.6787, 0.3302, 0.2615



47.6787, 0.3896, 0.2985

# Triad

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



47.6787, 0.3302, 0.2615



47.6787, 0.3990, 0.4267



47.6787, 0.2099, 0.2969

# Complementary

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



47.6787, 0.3302, 0.2615



70.8950, 0.2992, 0.4077

# 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.



47.6787, 0.2380, 0.3571



47.6787, 0.3302, 0.2615



47.6787, 0.3463, 0.4393

# Square

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



47.6787, 0.3302, 0.2615



47.6787, 0.4301, 0.3897



47.6787, 0.2873, 0.4137



47.6787, 0.2067, 0.2544



# Rectangle

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



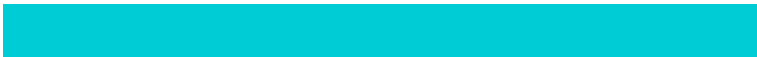
47.6787, 0.3302, 0.2615



47.6787, 0.4184, 0.3281



47.6787, 0.2873, 0.4137



47.6787, 0.2166, 0.3157

# Sweetspot

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



47.6808, 0.3302, 0.2615



84.4677, 0.3172, 0.3092



39.5454, 0.2645, 0.2328



17.6485, 0.3178, 0.3064



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.



47.6808, 0.3302, 0.2615



50.0034, 0.3348, 0.2479



45.8249, 0.3670, 0.3027



15.2585, 0.3169, 0.3104



11.8558, 0.3797, 0.1866



0.9442, 0.3700, 0.1812



# Inverse Universe

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



47.6808, 0.3302, 0.2615



50.0034, 0.3348, 0.2479



72.6587, 0.2776, 0.3574



15.2585, 0.3169, 0.3104



11.8558, 0.3797, 0.1866



0.9442, 0.3700, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 47.6787, 0.3302, 0.2615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

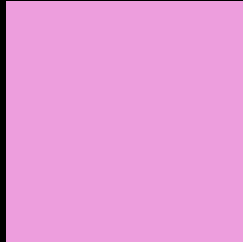
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6787, 0.3302, 0.2615 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 47.6787, 0.3302, 0.2615**

## Background



This preview shows how black text looks on a background with the Yxy color 47.6787, 0.3302, 0.2615.



This preview shows how white text looks on a background with the Yxy color 47.6787, 0.3302, 0.2615.

# 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

47.6787, 0.3302, 0.2615

### Protanopia

48.0640, 0.2634, 0.2609

### Deuteranopia

48.0914, 0.2896, 0.2837



## Tritanopia

47.6829, 0.3629, 0.3144

# Trichromacy



## Original Color

47.6787, 0.3302, 0.2615



## Protanomaly

47.1827, 0.2849, 0.2597



## Deuteranomaly

47.5461, 0.3042, 0.2750



## Tritanomaly

47.5819, 0.3513, 0.2945

# Monochromacy



## Original Color

47.6787, 0.3302, 0.2615



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.1796, 0.3183, 0.3015

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6787, 0.3302, 0.2615 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(237, 158, 221)` looks like.

```
.text, #text, p{  
    color:rgb(237, 158, 221)  
}
```

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(237, 158, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 158, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6787, 0.3302, 0.2615 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(237, 158, 221) }
```

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

```
.border{ border-color:rgb(237, 158, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 158, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 158, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 158, 221);  
box-shadow:4px 4px 4px 4px rgb(237, 158,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6787, 0.3302, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 158, 221) }
```

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

```
.background{ background-color: rgb(237,  
158, 221) }
```

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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