

# Converting Colors

$Y_{xy}(42.5860, 0.3407, 0.2766)$

Have a look what the booklet for  
Yxy(42.5860, 0.3407, 0.2766)  
contains.

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# Color

**Yxy(42.5412, 0.3410, 0.2764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E198C6
RGB	225, 152, 198
RGB Percent	88%, 60%, 78%
CMY	0.1175, 0.4040, 0.2234
CMYK	0.00, 0.32, 0.12, 0.12
HSL	322°, 55%, 74%
HSV	322°, 32%, 88%
XYZ	52.4839, 42.5412, 58.8866
YIQ	179.0710, 28.7420, 29.7820

# Conversions

## Conversions Part 2

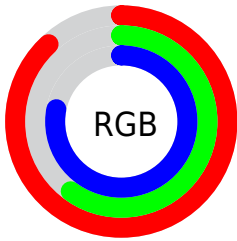
Format	Color
R <sub>Y</sub> B	225, 152, 198
Decimal	14784710
CIE Lab	71.24, 34.16, -12.53
CIE LCh	71, 36.384, 339.856
Yxy	42.5412, 0.3410, 0.2764
Android (android.graphics.Color)	4292974790 (0xFFE198C6)
YUV	179.0710, 9.3320, 40.2797
Hunter-Lab	65.2236, 29.4934, -7.8730

# Details

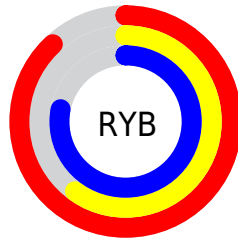
The Yxy color  $42.5412, 0.3410, 0.2764$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $63.8000, 0.2924, 0.3884$ , and the grayscale version is  $45.0587, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.1056, 0.3149, 0.2821$ , and  $19.5630, 0.3493, 0.2633$  is the 20% darker color. If you saturate the color by 10%, you get  $35.5456, 0.3530, 0.2601$ , and if you desaturate by 10%, it is  $50.9475, 0.3306, 0.2931$ .

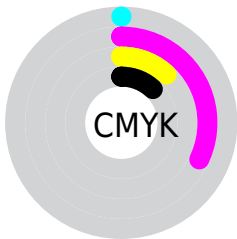
# Distribution



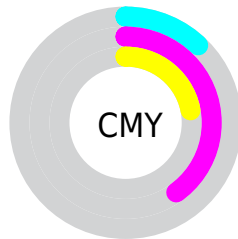
- Red (88%)
- Green (60%)
- Blue (78%)



- Red (88%)
- Yellow (60%)
- Blue (78%)



- Cyan (0%)
- Magenta (32%)
- Yellow (12%)
- Black (12%)




- Cyan (12%)
- Magenta (40%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5412, 0.3410, 0.2764 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 42.5412, 0.3410, 0.2764 by changing the saturation by 10% instead.





 42.5412, 0.3410,  
0.2764


 42.5412, 0.3410,  
0.2764


356.7215, 0.3272,  
0.3019

 29.5253, 0.3443,  
0.2703


 79.0181, 0.3361,  
0.2855

 19.4786, 0.3486,  
0.2625


 103.2478, 0.3342,  
0.2890

 12.0166, 0.3541,  
0.2525


131.9843, 0.3326,  
0.2919

 6.7550, 0.3616,  
0.2389

165.6119, 0.3312,  
0.2945

 3.3093, 0.3723,  
0.2196

204.5150, 0.3300,  
0.2967

 1.2953, 0.3889,  
0.1902

249.0781, 0.3290,

 0.1375, 0.4546,

0.2986

0.0644

299.6855, 0.3280,  
0.3004

0.0000, 0.0000,  
0.0000

42.5412, 0.3410,  
0.2764

42.5412, 0.3410,  
0.2764

35.5456, 0.3530,  
0.2601

50.9475, 0.3306,  
0.2931

29.8760, 0.3667,  
0.2451

60.8313, 0.3218,  
0.3095

25.4475, 0.3818,  
0.2323


72.2624, 0.3144,  
0.3252

22.1628, 0.3980,  
0.2230


85.3042, 0.3081,  
0.3401


19.9101, 0.4147,  
0.2182

93.8033, 0.3031,  
0.3446

 18.5549, 0.4314,  
0.2186

 94.3082, 0.2985,  
0.3361

 17.9618, 0.4437,  
0.2218

 94.7539, 0.2946,  
0.3289

# Harmonies

## Analogous

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



42.5412, 0.2880, 0.2529



42.5412, 0.3410, 0.2764



42.5412, 0.3893, 0.3117

# Triad

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



42.5412, 0.3410, 0.2764



42.5412, 0.3790, 0.4193



42.5412, 0.2197, 0.2914

# Complementary

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



42.5412, 0.3410, 0.2764



63.8000, 0.2924, 0.3884

# 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.



42.5412, 0.2399, 0.3409



42.5412, 0.3410, 0.2764



42.5412, 0.3306, 0.4215

# Square

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



42.5412, 0.3410, 0.2764



42.5412, 0.4110, 0.3919



42.5412, 0.2798, 0.3917



42.5412, 0.2218, 0.2584



# Rectangle

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



42.5412, 0.3410, 0.2764



42.5412, 0.4101, 0.3388



42.5412, 0.2798, 0.3917



42.5412, 0.2240, 0.3065

# Sweetspot

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



42.5431, 0.3410, 0.2764



84.2033, 0.3199, 0.3133



37.4455, 0.2762, 0.2385



17.5843, 0.3210, 0.3111



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.



42.5431, 0.3410, 0.2764



49.9601, 0.3490, 0.2652



41.0635, 0.3774, 0.3177



13.8452, 0.3194, 0.3143



10.3696, 0.4412, 0.2204



0.7359, 0.4178, 0.2075



# Inverse Universe

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



42.5431, 0.3410, 0.2764



49.9601, 0.3490, 0.2652



65.4672, 0.2718, 0.3409



13.8452, 0.3194, 0.3143



10.3696, 0.4412, 0.2204

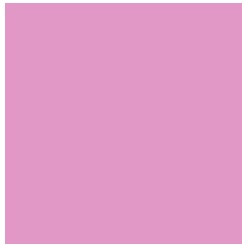


0.7359, 0.4178, 0.2075



# Previews

## White Background



This preview shows how the Yxy color 42.5412, 0.3410, 0.2764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

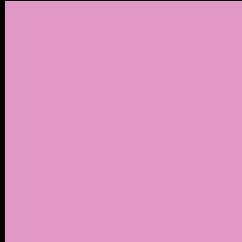
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5412, 0.3410, 0.2764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

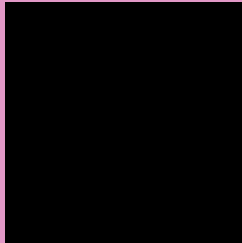
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.5412, 0.3410, 0.2764**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5412, 0.3410, 0.2764.



This preview shows how white text looks on a background with the Yxy color 42.5412, 0.3410, 0.2764.

# 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

42.5412, 0.3410, 0.2764

### Protanopia

42.7476, 0.2770, 0.2783

### Deuteranopia

42.7569, 0.3037, 0.2967



## Tritanopia

42.5081, 0.3655, 0.3149

# Trichromacy



## Original Color

42.5412, 0.3410, 0.2764



## Protanomaly

41.9801, 0.2976, 0.2763



## Deuteranomaly

42.1857, 0.3165, 0.2880



## Tritanomaly

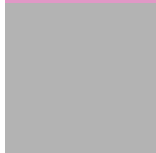
42.4260, 0.3560, 0.2998

# Monochromacy



## Original Color

42.5412, 0.3410, 0.2764



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

43.6569, 0.3228, 0.3076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5412, 0.3410, 0.2764 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(225, 152, 198)` looks like.

```
.text, #text, p{  
    color:rgb(225, 152, 198)  
}
```

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(225, 152, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 152, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5412, 0.3410, 0.2764 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(225, 152, 198) }
```

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

```
.border{ border-color:rgb(225, 152, 198) }
```

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

Here you see how a box with a 4 pixel rgb(225, 152, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 152, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 152, 198);  
box-shadow:4px 4px 4px 4px rgb(225, 152,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5412, 0.3410, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 152, 198) }
```

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

```
.background{ background-color: rgb(225,  
152, 198) }
```

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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