

# Converting Colors

$Y_{xy}(52.9718, 0.3160, 0.2612)$

Have a look what the booklet for  
Yxy(52.9718, 0.3160, 0.2612)  
contains.

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# Color

**Yxy(52.9568, 0.3167, 0.2615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECABEB
RGB	236, 171, 235
RGB Percent	93%, 67%, 92%
CMY	0.0747, 0.3293, 0.0785
CMYK	0.00, 0.28, 0.00, 0.07
HSL	301°, 63%, 80%
HSV	301°, 28%, 93%
XYZ	64.1354, 52.9568, 85.4194
YIQ	197.7310, 18.1960, 33.6840

# Conversions

## Conversions Part 2

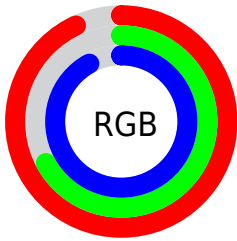
Format	Color
R <sub>Y</sub> B	236, 171, 235
Decimal	15510507
CIE Lab	77.85, 34.03, -22.65
CIE LCh	78, 40.878, 326.356
Yxy	52.9568, 0.3167, 0.2615
Android (android.graphics.Color)	4293700587 (0xFFECABEB)
YUV	197.7310, 18.3736, 33.5619
Hunter-Lab	72.7714, 29.9669, -18.6549

# Details

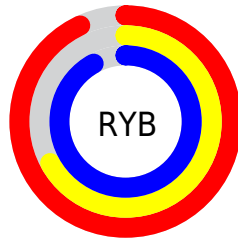
The Yxy color **52.9568, 0.3167, 0.2615** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.6041, 0.3084, 0.4072**, and the grayscale version is **56.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **25.7952, 0.3166, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **44.8043, 0.3182, 0.2375**, and if you desaturate by 10%, it is **62.7051, 0.3152, 0.2862**.

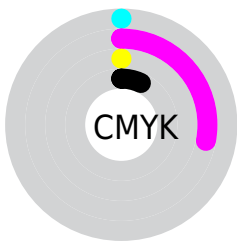
# Distribution



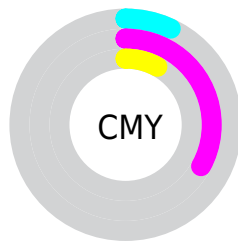
- Red (93%)
- Green (67%)
- Blue (92%)



- Red (93%)
- Yellow (67%)
- Blue (92%)



- Cyan (0%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9568, 0.3167, 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 52.9568, 0.3167, 0.2615 by changing the saturation by 10% instead.





 52.9568, 0.3167,  
0.2615

 52.9568, 0.3167,  
0.2615


398.1194, 0.3155,  
0.2926

 37.7683, 0.3168,  
0.2545


 94.5408, 0.3164,  
0.2722

 25.8029, 0.3168,  
0.2458


121.7051, 0.3163,  
0.2764

 16.6762, 0.3168,  
0.2349


153.6300, 0.3161,  
0.2801

 10.0039, 0.3164,  
0.2208

190.7001, 0.3160,  
0.2832

 5.4016, 0.3154,  
0.2020

233.2997, 0.3159,  
0.2860

 2.4847, 0.3130,  
0.1756

281.8132, 0.3157,

 0.8690, 0.3070,

0.2884

0.1369

336.6249, 0.3156,  
0.2906

0.0000, 0.3060,  
0.0000

0.0000, 0.0000,  
0.0000

52.9568, 0.3167,  
0.2615

52.9568, 0.3167,  
0.2615

44.8043, 0.3182,  
0.2375

62.7051, 0.3152,  
0.2862

38.1559, 0.3197,  
0.2153


74.1206, 0.3138,  
0.3109

32.9216, 0.3210,  
0.1957

87.2787, 0.3124,  
0.3349

28.9987, 0.3222,  
0.1797


95.4240, 0.3116,  
0.3476


 26.2706, 0.3232,  
0.1679


 95.4447, 0.3114,  
0.3472

 24.6005, 0.3240,  
0.1604


 95.4655, 0.3112,  
0.3469

 23.8062, 0.3246,  
0.1568

 95.4863, 0.3110,  
0.3465

 23.6738, 0.3248,  
0.1563

 95.5071, 0.3108,  
0.3461

 95.5280, 0.3106,  
0.3458

# Harmonies

## Analogous

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



52.9568, 0.2649, 0.2443



52.9568, 0.3167, 0.2615



52.9568, 0.3718, 0.2932

# Triad

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



52.9568, 0.3167, 0.2615



52.9568, 0.3997, 0.4125



52.9568, 0.2225, 0.3113

# Complementary

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



52.9568, 0.3167, 0.2615



71.6041, 0.3084, 0.4072

# 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.



52.9568, 0.2533, 0.3665



52.9568, 0.3167, 0.2615



52.9568, 0.3551, 0.4288

# Square

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



52.9568, 0.3167, 0.2615



52.9568, 0.4215, 0.3766



52.9568, 0.3014, 0.4127



52.9568, 0.2144, 0.2681



# Rectangle

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



52.9568, 0.3167, 0.2615



52.9568, 0.4012, 0.3198



52.9568, 0.3014, 0.4127



52.9568, 0.2304, 0.3292

# Sweetspot

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



52.9591, 0.3167, 0.2615



87.6481, 0.3138, 0.3096



43.8524, 0.2647, 0.2496



18.2954, 0.3140, 0.3059



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.



52.9591, 0.3167, 0.2615



57.4679, 0.3175, 0.2479



51.2977, 0.3431, 0.2934



15.3096, 0.3140, 0.3061



13.0572, 0.3247, 0.1562



1.0266, 0.3241, 0.1559



# Inverse Universe

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



52.9591, 0.3167, 0.2615



57.4679, 0.3175, 0.2479



72.9605, 0.2904, 0.3677



15.3096, 0.3140, 0.3061



13.0572, 0.3247, 0.1562



1.0266, 0.3241, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 52.9568, 0.3167, 0.2615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

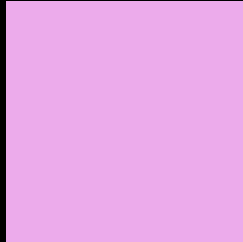
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9568, 0.3167, 0.2615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

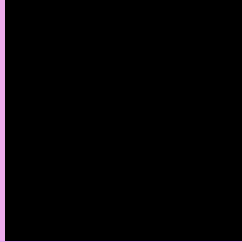
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9568, 0.3167, 0.2615**

## Background



This preview shows how black text looks on a background with the Yxy color 52.9568, 0.3167, 0.2615.



This preview shows how white text looks on a background with the Yxy color 52.9568, 0.3167, 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

52.9568, 0.3167, 0.2615

### Protanopia

53.5661, 0.2642, 0.2616

### Deuteranopia

52.9991, 0.2842, 0.2775



## Tritanopia

52.9134, 0.3457, 0.3133

# Trichromacy



## Original Color

52.9568, 0.3167, 0.2615



## Protanomaly

52.9547, 0.2812, 0.2611



## Deuteranomaly

52.7490, 0.2955, 0.2713



## Tritanomaly

52.7605, 0.3351, 0.2937

# Monochromacy



## Original Color

52.9568, 0.3167, 0.2615



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.6666, 0.3148, 0.3025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9568, 0.3167, 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(236, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(236, 171, 235)  
}
```

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(236, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 171, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9568, 0.3167, 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(236, 171, 235) }
```

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

```
.border{ border-color:rgb(236, 171, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 171, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 171, 235);  
box-shadow:4px 4px 4px 4px rgb(236, 171,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9568, 0.3167, 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(236, 171, 235) }
```

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

```
.background{ background-color: rgb(236,  
171, 235) }
```

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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