

# Converting Colors

$Y_{xy}(60.6979, 0.3205, 0.2755)$

Have a look what the booklet for  
Yxy(60.6979, 0.3205, 0.2755)  
contains.

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# Color

**Yxy(60.7033, 0.3208, 0.2756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5BAEE
RGB	245, 186, 238
RGB Percent	96%, 73%, 93%
CMY	0.0391, 0.2706, 0.0666
CMYK	0.00, 0.24, 0.03, 0.04
HSL	307°, 75%, 85%
HSV	307°, 24%, 96%
XYZ	70.6590, 60.7033, 88.8964
YIQ	209.5690, 18.4720, 28.6800

# Conversions

## Conversions Part 2

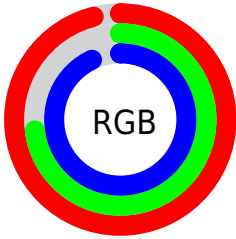
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 186, 238
Decimal	16104174
CIE <sub>Lab</sub>	82.22, 29.59, -17.58
CIE <sub>LCh</sub>	82, 34.419, 329.278
Yxy	60.7033, 0.3208, 0.2756
Android (android.graphics.Color)	4294294254 (0xFFFF5BAEE)
YUV	209.5690, 14.0165, 31.0730
Hunter-Lab	77.9123, 25.5358, -13.1101

# Details

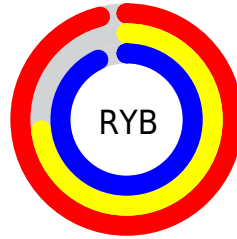
The Yxy color  $60.7033, 0.3208, 0.2756$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $79.6149, 0.3055, 0.3890$ , and the grayscale version is  $64.0524, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $30.5713, 0.3222, 0.2631$  is the 20% darker color. If you saturate the color by 10%, you get  $51.0828, 0.3248, 0.2533$ , and if you desaturate by 10%, it is  $72.1021, 0.3172, 0.2981$ .

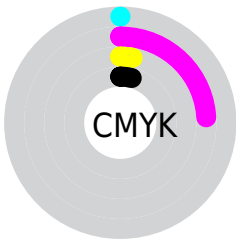
# Distribution



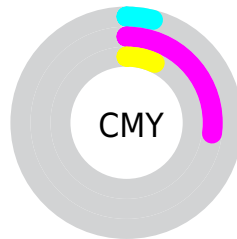
- Red (96%)
- Green (73%)
- Blue (93%)



- Red (96%)
- Yellow (73%)
- Blue (93%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (27%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7033, 0.3208, 0.2756 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 60.7033, 0.3208, 0.2756 by changing the saturation by 10% instead.




 60.7033, 0.3208,  
0.2756

 60.7033, 0.3208,  
0.2756


427.1853, 0.3174,  
0.3000

 43.9858, 0.3215,  
0.2701


 105.8492, 0.3197,  
0.2840

 30.6593, 0.3223,  
0.2634


135.0464, 0.3193,  
0.2872

 20.3396, 0.3232,  
0.2550


169.1722, 0.3189,  
0.2901

 12.6421, 0.3243,  
0.2442

208.6111, 0.3185,  
0.2926

 7.1826, 0.3255,  
0.2297

253.7475, 0.3182,  
0.2947

 3.5765, 0.3268,  
0.2095


304.9657, 0.3179,

 1.4396, 0.3277,


0.2967


0.1794


362.6502, 0.3177,  
0.2984


 0.2457, 0.3423,  
0.0875

 0.0000, 0.0000,  
0.0000


 60.7033, 0.3208,  
0.2756

 60.7033, 0.3208,  
0.2756


 51.0828, 0.3248,  
0.2533


 72.1021, 0.3172,  
0.2981

 43.1422, 0.3292,  
0.2320

 85.3551, 0.3139,  
0.3202

 36.7860, 0.3337,  
0.2128

 97.6393, 0.3113,  
0.3370

 31.9056, 0.3384,  
0.1966

 97.8202, 0.3096,  
0.3342

■ 28.3790, 0.3431,  
0.1842

■ 98.0040, 0.3080,  
0.3313

■ 26.0644, 0.3475,  
0.1763

■ 98.1590, 0.3066,  
0.3290

■ 24.7888, 0.3517,  
0.1728

■ 24.3728, 0.3540,  
0.1724

# Harmonies

## Analogous

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



60.7033, 0.2779, 0.2601



60.7033, 0.3208, 0.2756



60.7033, 0.3643, 0.3031

# Triad

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



60.7033, 0.3208, 0.2756



60.7033, 0.3807, 0.3993



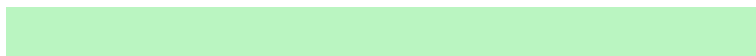
60.7033, 0.2375, 0.3116

# Complementary

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



60.7033, 0.3208, 0.2756



79.6149, 0.3055, 0.3890

# 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.



60.7033, 0.2616, 0.3549



60.7033, 0.3208, 0.2756



60.7033, 0.3438, 0.4085

# Square

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



60.7033, 0.3208, 0.2756



60.7033, 0.3998, 0.3723



60.7033, 0.3001, 0.3924



60.7033, 0.2323, 0.2776



# Rectangle

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



60.7033, 0.3208, 0.2756



60.7033, 0.3864, 0.3257



60.7033, 0.3001, 0.3924



60.7033, 0.2436, 0.3256

# Sweetspot

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



60.7060, 0.3208, 0.2756



88.9994, 0.3148, 0.3138



53.0288, 0.2762, 0.2616



18.8569, 0.3150, 0.3125



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.



60.7060, 0.3208, 0.2756



60.9950, 0.3228, 0.2645



59.1165, 0.3441, 0.3051



16.7324, 0.3156, 0.3084



13.1394, 0.3534, 0.1720



1.1642, 0.3487, 0.1695



# Inverse Universe

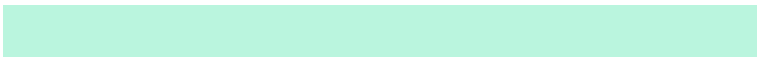
The Inverse Universe completely reimagines the original color for something new.



60.7060, 0.3208, 0.2756



60.9950, 0.3228, 0.2645



81.0599, 0.2892, 0.3543



16.7324, 0.3156, 0.3084



13.1394, 0.3534, 0.1720



1.1642, 0.3487, 0.1695



# Previews

## White Background



This preview shows how the Yxy color 60.7033, 0.3208, 0.2756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

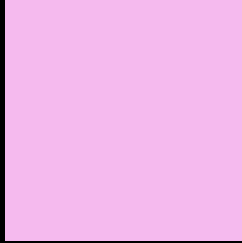
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7033, 0.3208, 0.2756 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 60.7033, 0.3208, 0.2756**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7033, 0.3208, 0.2756.

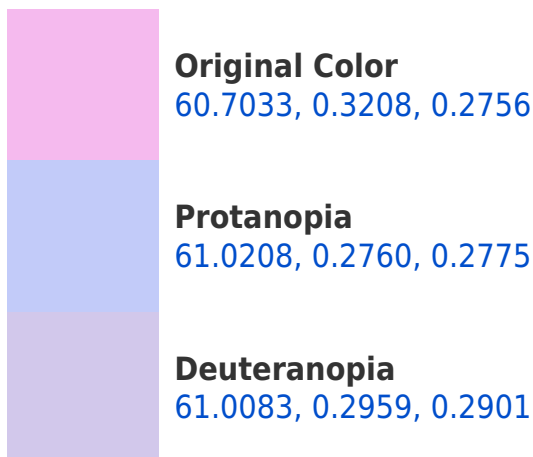


This preview shows how white text looks on a background with the Yxy color 60.7033, 0.3208, 0.2756.

# 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





## Tritanopia

60.9050, 0.3412, 0.3130

# Trichromacy



## Original Color

60.7033, 0.3208, 0.2756



## Protanomaly

60.6712, 0.2913, 0.2767



## Deuteranomaly

60.7743, 0.3048, 0.2846



## Tritanomaly

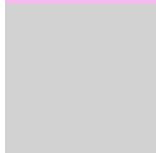
60.7661, 0.3335, 0.2994

# Monochromacy



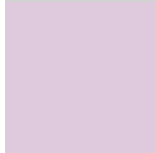
## Original Color

60.7033, 0.3208, 0.2756



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

62.6286, 0.3160, 0.3081

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7033, 0.3208, 0.2756 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(245, 186, 238)` looks like.

```
.text, #text, p{  
    color:rgb(245, 186, 238)  
}
```

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(245, 186, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 186, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7033, 0.3208, 0.2756 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(245, 186, 238) }
```

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

```
.border{ border-color:rgb(245, 186, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 186, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 186, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 186, 238);  
box-shadow:4px 4px 4px 4px rgb(245, 186,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7033, 0.3208, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 186, 238) }
```

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

```
.background{ background-color: rgb(245,  
186, 238) }
```

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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