

# Converting Colors

Yxy(60.6345, 0.3176, 0.2829)

Have a look what the booklet for  
Yxy(60.6345, 0.3176, 0.2829)  
contains.

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# Color

**Yxy(60.7719, 0.3173, 0.2827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDBEEA
RGB	237, 190, 234
RGB Percent	93%, 75%, 92%
CMY	0.0703, 0.2550, 0.0823
CMYK	0.00, 0.20, 0.01, 0.07
HSL	304°, 57%, 84%
HSV	304°, 20%, 93%
XYZ	68.2098, 60.7719, 85.9878
YIQ	209.0690, 13.8880, 23.6480

# Conversions

## Conversions Part 2

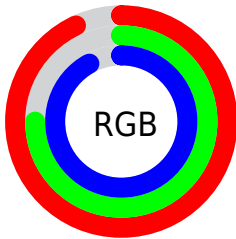
Format	Color
R <sub>Y</sub> B	237, 190, 234
Decimal	15580906
CIE Lab	82.26, 24.13, -15.46
CIE LCh	82, 28.660, 327.359
Yxy	60.7719, 0.3173, 0.2827
Android (android.graphics.Color)	4293770986 (0xFFEDBEEA)
YUV	209.0690, 12.2910, 24.4955
Hunter-Lab	77.9563, 19.7595, -10.8290

# Details

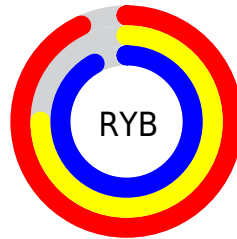
The Yxy color  $60.7719, 0.3173, 0.2827$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $75.4078, 0.3083, 0.3801$ , and the grayscale version is  $63.7247, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.0015, 0.3131, 0.3214$ , and  $30.6464, 0.3186, 0.2720$  is the 20% darker color. If you saturate the color by 10%, you get  $51.2402, 0.3199, 0.2591$ , and if you desaturate by 10%, it is  $71.9799, 0.3149, 0.3063$ .

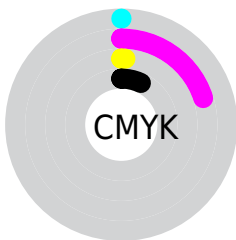
# Distribution



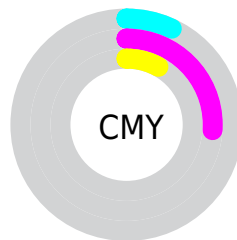
- Red (93%)
- Green (75%)
- Blue (92%)



- Red (93%)
- Yellow (75%)
- Blue (92%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (7%)




- Cyan (7%)
- Magenta (26%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7719, 0.3173, 0.2827 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 60.7719, 0.3173, 0.2827 by changing the saturation by 10% instead.



 60.7719, 0.3173,  
0.2827

 60.7719, 0.3173,  
0.2827

427.4372, 0.3155,  
0.3040

 44.0411, 0.3176,  
0.2779


 105.9486, 0.3167,  
0.2900

 30.7028, 0.3180,  
0.2720


135.1633, 0.3165,  
0.2929

 20.3727, 0.3185,  
0.2645


169.3081, 0.3163,  
0.2954

 12.6662, 0.3189,  
0.2548

208.7673, 0.3161,  
0.2975

 7.1991, 0.3194,  
0.2417

253.9255, 0.3159,  
0.2994

 3.5869, 0.3196,  
0.2232


305.1669, 0.3157,


 1.4453, 0.3191,

0.3011

0.1952


362.8760, 0.3156,  
0.3026


 0.2497, 0.3328,  
0.1006


 0.0000, 0.0000,  
0.0000


 60.7719, 0.3173,  
0.2827


 60.7719, 0.3173,  
0.2827


 51.2402, 0.3199,  
0.2591

 71.9799, 0.3149,  
0.3063


 43.2961, 0.3227,  
0.2363


 84.9315, 0.3127,  
0.3293

 36.8550, 0.3256,  
0.2153


 95.7481, 0.3110,  
0.3453


 31.8212, 0.3284,  
0.1970


 95.8394, 0.3101,  
0.3437

 28.0879, 0.3312,  
0.1824


 95.9314, 0.3092,  
0.3422

 25.5332, 0.3338,  
0.1720


 96.0242, 0.3084,  
0.3406

 24.0120, 0.3361,  
0.1660

 96.1178, 0.3075,  
0.3391

 23.2819, 0.3382,  
0.1637

 96.2122, 0.3066,  
0.3375

 23.2740, 0.3382,  
0.1637

 96.3073, 0.3058,  
0.3360

# Harmonies

## Analogous

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



60.7719, 0.2817, 0.2703



60.7719, 0.3173, 0.2827



60.7719, 0.3536, 0.3057

# Triad

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



60.7719, 0.3173, 0.2827



60.7719, 0.3712, 0.3870



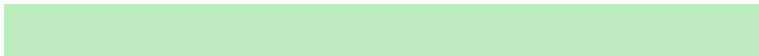
60.7719, 0.2504, 0.3172

# Complementary

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



60.7719, 0.3173, 0.2827



75.4078, 0.3083, 0.3801

# 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.



60.7719, 0.2719, 0.3529



60.7719, 0.3173, 0.2827



60.7719, 0.3414, 0.3949

# Square

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



60.7719, 0.3173, 0.2827



60.7719, 0.3856, 0.3643



60.7719, 0.3049, 0.3825



60.7719, 0.2447, 0.2879



# Rectangle

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



60.7719, 0.3173, 0.2827



60.7719, 0.3725, 0.3248



60.7719, 0.3049, 0.3825



60.7719, 0.2559, 0.3289

# Sweetspot

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



60.7746, 0.3173, 0.2827



90.5598, 0.3140, 0.3153



54.1839, 0.2813, 0.2745



19.1735, 0.3142, 0.3137



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.



60.7746, 0.3173, 0.2827



66.7211, 0.3184, 0.2727



59.5448, 0.3349, 0.3062



15.2959, 0.3148, 0.3073



12.7052, 0.3379, 0.1635



1.0028, 0.3353, 0.1621



# Inverse Universe

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



60.7746, 0.3173, 0.2827



66.7211, 0.3184, 0.2727



76.5077, 0.2949, 0.3531



15.2959, 0.3148, 0.3073



12.7052, 0.3379, 0.1635

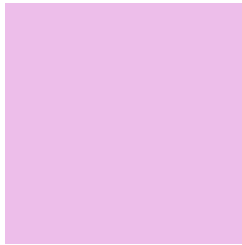


1.0028, 0.3353, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 60.7719, 0.3173, 0.2827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

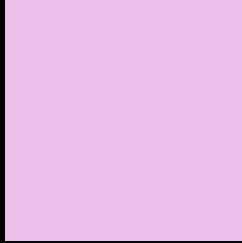
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7719, 0.3173, 0.2827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

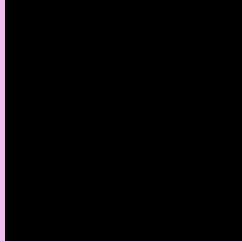
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.7719, 0.3173, 0.2827**

## Background



This preview shows how black text looks on a background with the Yxy color 60.7719, 0.3173, 0.2827.



This preview shows how white text looks on a background with the Yxy color 60.7719, 0.3173, 0.2827.

# 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

60.7719, 0.3173, 0.2827

### Protanopia

61.0533, 0.2817, 0.2840

### Deuteranopia

61.1318, 0.2993, 0.2934



## Tritanopia

60.6794, 0.3336, 0.3127

# Trichromacy



## Original Color

60.7719, 0.3173, 0.2827

## Protanomaly

60.6765, 0.2939, 0.2828

## Deuteranomaly

60.7352, 0.3054, 0.2886

## Tritanomaly

60.8641, 0.3276, 0.3021

# Monochromacy



## Original Color

60.7719, 0.3173, 0.2827

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

62.3631, 0.3143, 0.3112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7719, 0.3173, 0.2827 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, 190, 234)` looks like.

```
.text, #text, p{  
    color:rgb(237, 190, 234)  
}
```

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, 190, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 190, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7719, 0.3173, 0.2827 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, 190, 234) }
```

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

```
.border{ border-color:rgb(237, 190, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 190, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 190, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 190, 234);  
box-shadow:4px 4px 4px 4px rgb(237, 190,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7719, 0.3173, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 190, 234) }
```

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

```
.background{ background-color: rgb(237,  
190, 234) }
```

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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