

# Converting Colors

$Yxy(62.4980, 0.3216, 0.3020)$

Have a look what the booklet for  
Yxy(62.4980, 0.3216, 0.3020)  
contains.

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# Color

**Yxy(62.3622, 0.3218, 0.3021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8C5DE
RGB	232, 197, 222
RGB Percent	91%, 77%, 87%
CMY	0.0902, 0.2274, 0.1294
CMYK	0.00, 0.15, 0.04, 0.09
HSL	317°, 43%, 84%
HSV	317°, 15%, 91%
XYZ	66.4289, 62.3622, 77.6379
YIQ	210.3150, 12.8350, 15.1950

# Conversions

## Conversions Part 2

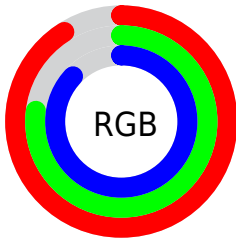
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 197, 222
Decimal	15255006
CIE Lab	83.11, 16.54, -7.80
CIE LCh	83, 18.290, 334.739
Yxy	62.3622, 0.3218, 0.3021
Android (android.graphics.Color)	4293445086 (0xFFE8C5DE)
YUV	210.3150, 5.7607, 19.0177
Hunter-Lab	78.9697, 11.9560, -3.0113

# Details

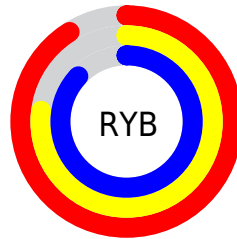
The Yxy color  $62.3622, 0.3218, 0.3021$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $74.0905, 0.3047, 0.3575$ , and the grayscale version is  $64.6230, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3636, 0.3128, 0.3281$ , and  $31.6650, 0.3237, 0.2954$  is the 20% darker color. If you saturate the color by 10%, you get  $52.2781, 0.3291, 0.2835$ , and if you desaturate by 10%, it is  $74.0872, 0.3155, 0.3202$ .

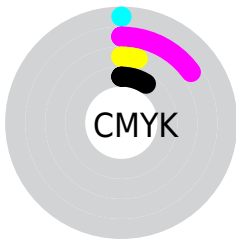
# Distribution



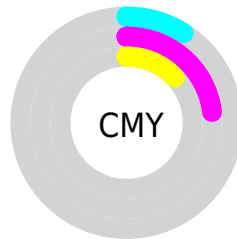
- Red (91%)
- Green (77%)
- Blue (87%)



- Red (91%)
- Yellow (77%)
- Blue (87%)



- Cyan (0%)
- Magenta (15%)
- Yellow (4%)
- Black (9%)




- Cyan (9%)
- Magenta (23%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3622, 0.3218, 0.3021 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 62.3622, 0.3218, 0.3021 by changing the saturation by 10% instead.




 62.3622, 0.3218,  
0.3021

 62.3622, 0.3218,  
0.3021


433.2511, 0.3176,  
0.3146

 45.3254, 0.3228,  
0.2992

108.2488, 0.3204,  
0.3065

 31.7138, 0.3239,  
0.2957


137.8675, 0.3198,  
0.3081

 21.1430, 0.3254,  
0.2911


172.4489, 0.3193,  
0.3096

 13.2286, 0.3274,  
0.2852

212.3775, 0.3189,  
0.3109

 7.5861, 0.3300,  
0.2770

258.0376, 0.3185,  
0.3120

 3.8313, 0.3338,  
0.2652

309.8136, 0.3182,

 1.5796, 0.3396,

0.3130

0.2464

368.0900, 0.3179,  
0.3138

0.3438, 0.3663,  
0.1724

0.0000, 0.0000,  
0.0000

62.3622, 0.3218,  
0.3021

62.3622, 0.3218,  
0.3021

52.2781, 0.3291,  
0.2835

74.0872, 0.3155,  
0.3202

43.7525, 0.3376,  
0.2649

87.5141, 0.3102,  
0.3373

36.7084, 0.3472,  
0.2470

95.0805, 0.3060,  
0.3421

31.0589, 0.3578,  
0.2308

95.4863, 0.3023,  
0.3354

■ 26.7081, 0.3693,  
0.2173

■ 95.8959, 0.2987,  
0.3290

■ 23.5477, 0.3813,  
0.2076

■ 21.4519, 0.3934,  
0.2026

■ 20.2663, 0.4052,  
0.2025

■ 19.8966, 0.4109,  
0.2037

# Harmonies

## Analogous

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



62.3622, 0.2984, 0.2921



62.3622, 0.3218, 0.3021



62.3622, 0.3434, 0.3187

# Triad

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



62.3622, 0.3218, 0.3021



62.3622, 0.3462, 0.3681



62.3622, 0.2706, 0.3170

# Complementary

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



62.3622, 0.3218, 0.3021



74.0905, 0.3047, 0.3575

# 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.



62.3622, 0.2825, 0.3388



62.3622, 0.3218, 0.3021



62.3622, 0.3258, 0.3692

# Square

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



62.3622, 0.3218, 0.3021



62.3622, 0.3577, 0.3564



62.3622, 0.3025, 0.3583



62.3622, 0.2696, 0.2998



# Rectangle

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



62.3622, 0.3218, 0.3021



62.3622, 0.3535, 0.3317



62.3622, 0.3025, 0.3583



62.3622, 0.2735, 0.3241

# Sweetspot

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



62.3649, 0.3218, 0.3021



91.9006, 0.3155, 0.3203



59.0157, 0.2956, 0.2895



19.4361, 0.3159, 0.3190



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.



62.3649, 0.3218, 0.3021



73.3133, 0.3239, 0.2965



61.4793, 0.3350, 0.3207



14.5413, 0.3181, 0.3124



11.0685, 0.4091, 0.2027



0.8337, 0.3932, 0.1940



# Inverse Universe

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



62.3649, 0.3218, 0.3021



73.3133, 0.3239, 0.2965



74.9894, 0.2943, 0.3374



14.5413, 0.3181, 0.3124



11.0685, 0.4091, 0.2027



0.8337, 0.3932, 0.1940



# Previews

## White Background



This preview shows how the Yxy color 62.3622, 0.3218, 0.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

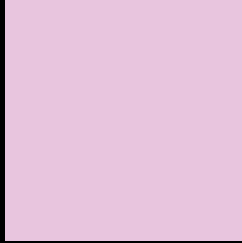
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3622, 0.3218, 0.3021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

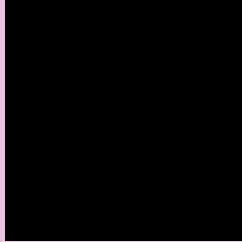
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3622, 0.3218, 0.3021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3622, 0.3218, 0.3021.



This preview shows how white text looks on a background with the Yxy color 62.3622, 0.3218, 0.3021.

# 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

62.3622, 0.3218, 0.3021

### Protanopia

62.6678, 0.2976, 0.3052

### Deuteranopia

62.3659, 0.3138, 0.3069



## Tritanopia

62.2321, 0.3269, 0.3116

# Trichromacy



## Original Color

62.3622, 0.3218, 0.3021

## Protanomaly

62.5952, 0.3063, 0.3045

## Deuteranomaly

62.5366, 0.3169, 0.3060

## Tritanomaly

62.3868, 0.3247, 0.3084

# Monochromacy



## Original Color

62.3622, 0.3218, 0.3021

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.4231, 0.3162, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3622, 0.3218, 0.3021 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(232, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(232, 197, 222)  
}
```

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(232, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 197, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3622, 0.3218, 0.3021 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(232, 197, 222) }
```

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

```
.border{ border-color:rgb(232, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(232, 197,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3622, 0.3218, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 197, 222) }
```

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

```
.background{ background-color: rgb(232,  
197, 222) }
```

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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