

# Converting Colors

Yxy(64.9264, 0.3163, 0.3008)

Have a look what the booklet for  
Yxy(64.9264, 0.3163, 0.3008)  
contains.

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# Color

**Yxy(64.8314, 0.3163, 0.3012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7CAE4
RGB	231, 202, 228
RGB Percent	91%, 79%, 89%
CMY	0.0941, 0.2078, 0.1058
CMYK	0.00, 0.13, 0.01, 0.09
HSL	306°, 38%, 85%
HSV	306°, 13%, 91%
XYZ	68.0816, 64.8314, 82.3307
YIQ	213.6350, 8.9380, 14.2340

# Conversions

## Conversions Part 2

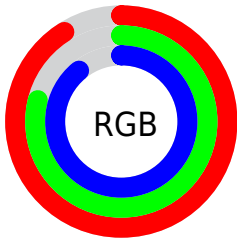
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 202, 228
Decimal	15190756
CIE Lab	84.40, 14.63, -9.11
CIE LCh	84, 17.230, 328.086
Yxy	64.8314, 0.3163, 0.3012
Android (android.graphics.Color)	4293380836 (0xFFE7CAE4)
YUV	213.6350, 7.0819, 15.2291
Hunter-Lab	80.5179, 10.0234, -4.2623

# Details

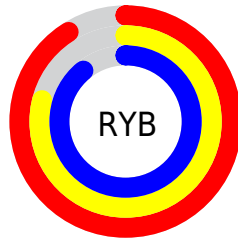
The Yxy color **64.8314, 0.3163, 0.3012** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.1207, 0.3093, 0.3585**, and the grayscale version is **66.9366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3109, 0.3164, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **54.6611, 0.3195, 0.2784**, and if you desaturate by 10%, it is **76.6318, 0.3134, 0.3235**.

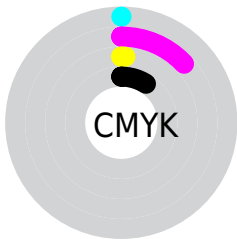
# Distribution



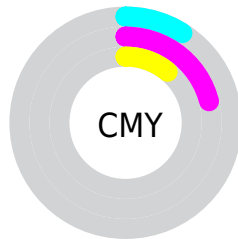
- Red (91%)
- Green (79%)
- Blue (89%)



- Red (91%)
- Yellow (79%)
- Blue (89%)



- Cyan (0%)
- Magenta (13%)
- Yellow (1%)
- Black (9%)




- Cyan (9%)
- Magenta (21%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8314, 0.3163, 0.3012 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 64.8314, 0.3163, 0.3012 by changing the saturation by 10% instead.




 64.8314, 0.3163,  
0.3012

 64.8314, 0.3163,  
0.3012

442.1858, 0.3147,  
0.3141

 47.3244, 0.3166,  
0.2983


111.8074, 0.3158,  
0.3057

 33.2922, 0.3170,  
0.2947


142.0452, 0.3156,  
0.3074

 22.3504, 0.3175,  
0.2901


177.2954, 0.3154,  
0.3089

 14.1146, 0.3181,  
0.2841

217.9424, 0.3152,  
0.3102

 8.2004, 0.3189,  
0.2759

264.3705, 0.3151,  
0.3113

 4.2234, 0.3199,  
0.2642

316.9642, 0.3150,

 1.7993, 0.3211,

0.3123

0.2459

376.1078, 0.3148,  
0.3132

0.4868, 0.3295,  
0.1957

0.0000, 0.0000,  
0.0000

64.8314, 0.3163,  
0.3012

64.8314, 0.3163,  
0.3012

54.6611, 0.3195,  
0.2784

76.6318, 0.3134,  
0.3235

46.0407, 0.3231,  
0.2558

90.1211, 0.3108,  
0.3447

38.8955, 0.3270,  
0.2341

94.5183, 0.3092,  
0.3490

33.1419, 0.3310,  
0.2142

94.6573, 0.3079,  
0.3466

■ 28.6873, 0.3351,  
0.1973

■ 94.7983, 0.3065,  
0.3441

■ 25.4285, 0.3392,  
0.1841

■ 94.9411, 0.3052,  
0.3417

■ 23.2461, 0.3431,  
0.1752

■ 95.0857, 0.3038,  
0.3393

■ 21.9963, 0.3467,  
0.1708

■ 95.2323, 0.3025,  
0.3369

■ 21.5018, 0.3492,  
0.1697

■ 95.3807, 0.3012,  
0.3345

# Harmonies

## Analogous

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



64.8314, 0.2950, 0.2936



64.8314, 0.3163, 0.3012



64.8314, 0.3373, 0.3156

# Triad

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



64.8314, 0.3163, 0.3012



64.8314, 0.3471, 0.3637



64.8314, 0.2752, 0.3223

# Complementary

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



64.8314, 0.3163, 0.3012



74.1207, 0.3093, 0.3585

# 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.



64.8314, 0.2882, 0.3425



64.8314, 0.3163, 0.3012



64.8314, 0.3296, 0.3670

# Square

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



64.8314, 0.3163, 0.3012



64.8314, 0.3553, 0.3512



64.8314, 0.3080, 0.3593



64.8314, 0.2718, 0.3048



# Rectangle

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



64.8314, 0.3163, 0.3012



64.8314, 0.3480, 0.3275



64.8314, 0.3080, 0.3593



64.8314, 0.2785, 0.3290

# Sweetspot

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



64.8342, 0.3163, 0.3012



93.5962, 0.3138, 0.3202



60.9773, 0.2949, 0.2962



19.7838, 0.3140, 0.3186



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.



64.8342, 0.3163, 0.3012



77.7249, 0.3171, 0.2955



64.0671, 0.3268, 0.3164



14.5882, 0.3154, 0.3082



12.0642, 0.3487, 0.1695



0.8989, 0.3441, 0.1669



# Inverse Universe

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



64.8342, 0.3163, 0.3012



77.7249, 0.3171, 0.2955



74.8488, 0.3005, 0.3419



14.5882, 0.3154, 0.3082



12.0642, 0.3487, 0.1695

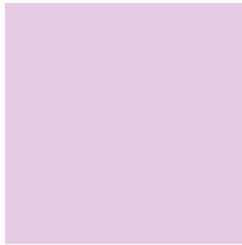


0.8989, 0.3441, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 64.8314, 0.3163, 0.3012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

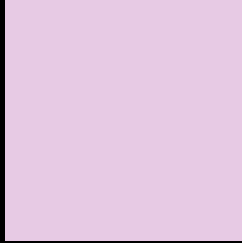
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8314, 0.3163, 0.3012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

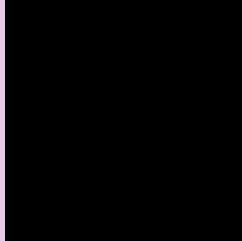
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8314, 0.3163, 0.3012**

## Background



This preview shows how black text looks on a background with the Yxy color 64.8314, 0.3163, 0.3012.



This preview shows how white text looks on a background with the Yxy color 64.8314, 0.3163, 0.3012.

# 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

64.8314, 0.3163, 0.3012

### Protanopia

64.8940, 0.2959, 0.3023

### Deuteranopia

65.0560, 0.3116, 0.3051



## Tritanopia

64.6493, 0.3220, 0.3117

# Trichromacy



## Original Color

64.8314, 0.3163, 0.3012

## Protanomaly

64.5111, 0.3029, 0.3015

## Deuteranomaly

65.0627, 0.3139, 0.3042

## Tritanomaly

64.8088, 0.3198, 0.3085

# Monochromacy



## Original Color

64.8314, 0.3163, 0.3012

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.4233, 0.3139, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8314, 0.3163, 0.3012 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(231, 202, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 202, 228)  
}
```

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(231, 202, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 202, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8314, 0.3163, 0.3012 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(231, 202, 228) }
```

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

```
.border{ border-color:rgb(231, 202, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 202, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 202, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 202, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 202,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8314, 0.3163, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 202, 228) }
```

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

```
.background{ background-color: rgb(231,  
202, 228) }
```

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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