

# Converting Colors

Yxy(64.1204, 0.3141, 0.3002)

Have a look what the booklet for  
Yxy(64.1204, 0.3141, 0.3002)  
contains.

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# Color

**Yxy(63.8687, 0.3141, 0.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4C9E4
RGB	228, 201, 228
RGB Percent	89%, 79%, 89%
CMY	0.1058, 0.2118, 0.1059
CMYK	0.00, 0.12, 0.00, 0.11
HSL	300°, 33%, 84%
HSV	300°, 12%, 89%
XYZ	66.8928, 63.8687, 82.2051
YIQ	212.1510, 7.4250, 14.1210

# Conversions

## Conversions Part 2

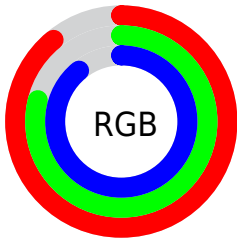
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 201, 228
Decimal	14993892
CIE Lab	83.90, 14.16, -9.88
CIE LCh	84, 17.264, 325.101
Yxy	63.8687, 0.3141, 0.2999
Android (android.graphics.Color)	4293183972 (0xFFE4C9E4)
YUV	212.1510, 7.8136, 13.8996
Hunter-Lab	79.9179, 9.5516, -5.0443

# Details

The Yxy color **63.8687, 0.3141, 0.2999** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.1387, 0.3112, 0.3599**, and the grayscale version is **65.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6552, 0.3134, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **54.0166, 0.3153, 0.2749**, and if you desaturate by 10%, it is **75.3045, 0.3129, 0.3245**.

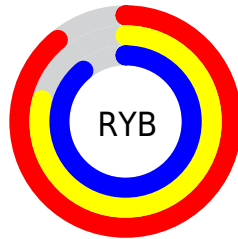
# Distribution



Red (89%)

Green (79%)

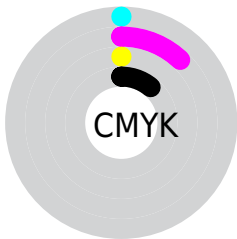
Blue (89%)



Red (89%)

Yellow (79%)

Blue (89%)

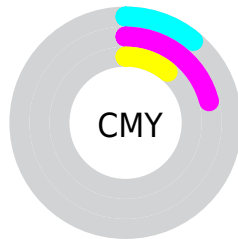


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (21%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8687, 0.3141, 0.2999 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 63.8687, 0.3141, 0.2999 by changing the saturation by 10% instead.



 63.8687, 0.3141,  
0.2999

 63.8687, 0.3141,  
0.2999


438.7153, 0.3136,  
0.3134

 46.5443, 0.3142,  
0.2968


110.4218, 0.3139,  
0.3046

 32.6756, 0.3143,  
0.2930


140.4194, 0.3139,  
0.3064

 21.8780, 0.3144,  
0.2882


175.4101, 0.3138,  
0.3080

 13.7673, 0.3145,  
0.2819

215.7784, 0.3138,  
0.3093

 7.9590, 0.3145,  
0.2733

261.9087, 0.3137,  
0.3105

 4.0687, 0.3144,  
0.2609

314.1853, 0.3137,

 1.7121, 0.3137,

0.3116

0.2414

372.9928, 0.3136,  
0.3125

0.4315, 0.3201,  
0.1827

0.0000, 0.0000,  
0.0000

63.8687, 0.3141,  
0.2999

63.8687, 0.3141,  
0.2999

54.0166, 0.3153,  
0.2749

75.3045, 0.3129,  
0.3245

45.6706, 0.3165,  
0.2501


88.3806, 0.3118,  
0.3482

38.7590, 0.3176,  
0.2266


93.6244, 0.3114,  
0.3565


33.2011, 0.3186,  
0.2052

93.6256, 0.3114,  
0.3565


 28.9081, 0.3195,  
0.1870


 93.6267, 0.3114,  
0.3565

 25.7806, 0.3202,  
0.1726

 93.6279, 0.3114,  
0.3564


 23.7046, 0.3207,  
0.1625

 93.6290, 0.3114,  
0.3564

 22.5430, 0.3210,  
0.1566

 93.6302, 0.3113,  
0.3564

 22.0908, 0.3211,  
0.1543

 93.6313, 0.3113,  
0.3564

# Harmonies

## Analogous

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



63.8687, 0.2930, 0.2930



63.8687, 0.3141, 0.2999



63.8687, 0.3355, 0.3139

# Triad

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



63.8687, 0.3141, 0.2999



63.8687, 0.3486, 0.3631



63.8687, 0.2758, 0.3242

# Complementary

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



63.8687, 0.3141, 0.2999



72.1387, 0.3112, 0.3599

# 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.



63.8687, 0.2898, 0.3446



63.8687, 0.3141, 0.2999



63.8687, 0.3318, 0.3675

# Square

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



63.8687, 0.3141, 0.2999



63.8687, 0.3558, 0.3498



63.8687, 0.3102, 0.3608



63.8687, 0.2714, 0.3061



# Rectangle

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



63.8687, 0.3141, 0.2999



63.8687, 0.3469, 0.3256



63.8687, 0.3102, 0.3608



63.8687, 0.2795, 0.3311

# Sweetspot

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



63.8715, 0.3141, 0.2999



93.6633, 0.3132, 0.3193



59.7904, 0.2940, 0.2980



19.8009, 0.3133, 0.3174



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.



63.8715, 0.3141, 0.2999



79.2976, 0.3144, 0.2943



63.1509, 0.3239, 0.3142



14.6150, 0.3138, 0.3059



12.7522, 0.3211, 0.1543



0.9424, 0.3211, 0.1543



# Inverse Universe

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



63.8715, 0.3141, 0.2999



79.2976, 0.3144, 0.2943



72.8021, 0.3028, 0.3442



14.6150, 0.3138, 0.3059



12.7522, 0.3211, 0.1543



0.9424, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 63.8687, 0.3141, 0.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

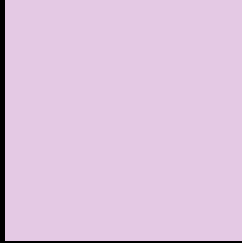
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8687, 0.3141, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

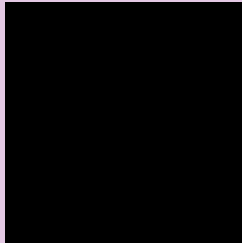
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8687, 0.3141, 0.2999**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8687, 0.3141, 0.2999.



This preview shows how white text looks on a background with the Yxy color 63.8687, 0.3141, 0.2999.

# 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

63.8687, 0.3141, 0.2999

### Protanopia

64.0598, 0.2951, 0.3021

### Deuteranopia

63.6855, 0.3087, 0.3017



## Tritanopia

64.1047, 0.3204, 0.3127

# Trichromacy



## Original Color

63.8687, 0.3141, 0.2999

## Protanomaly

63.7283, 0.3015, 0.3003

## Deuteranomaly

63.6898, 0.3110, 0.3007

## Tritanomaly

63.8459, 0.3176, 0.3073

# Monochromacy



## Original Color

63.8687, 0.3141, 0.2999

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.0791, 0.3132, 0.3179

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8687, 0.3141, 0.2999 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(228, 201, 228)` looks like.

```
.text, #text, p{  
    color:rgb(228, 201, 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(228, 201, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 201, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8687, 0.3141, 0.2999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

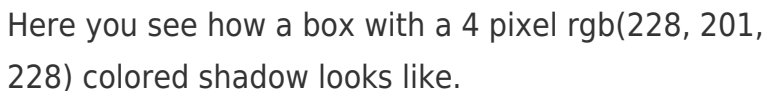
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 201, 228) }
```

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

```
.border{ border-color:rgb(228, 201, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 201, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 201, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 201, 228); box-shadow:4px 4px 4px 4px rgb(228, 201, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8687, 0.3141, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 201, 228) }
```

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

```
.background{ background-color: rgb(228,  
201, 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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