

# Converting Colors

Yxy(63.1629, 0.3095, 0.2858)

Have a look what the booklet for  
Yxy(63.1629, 0.3095, 0.2858)  
contains.

<b>Yxy(63.0945, 0.3094, 0.2856)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.0945, 0.3094, 0.2856)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7C5EE
RGB	231, 197, 238
RGB Percent	91%, 77%, 93%
CMY	0.0942, 0.2274, 0.0666
CMYK	0.03, 0.17, 0.00, 0.07
HSL	290°, 55%, 85%
HSV	290°, 17%, 93%
XYZ	68.3524, 63.0945, 89.4722
YIQ	211.8400, 7.1030, 19.9590

# Conversions

## Conversions Part 2

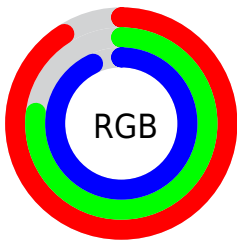
Format	Color
R <sub>Y</sub> B	231, 197, 238
Decimal	15189486
CIE Lab	83.49, 19.12, -15.79
CIE LCh	83, 24.796, 320.443
Yxy	63.0945, 0.3094, 0.2856
Android (android.graphics.Color)	4293379566 (0xFFE7C5EE)
YUV	211.8400, 12.8969, 16.8033
Hunter-Lab	79.4320, 14.5956, -11.1818

# Details

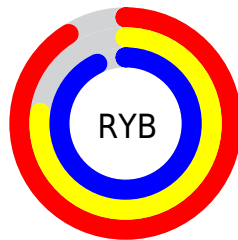
The Yxy color **63.0945, 0.3094, 0.2856** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.0283, 0.3152, 0.3751**, and the grayscale version is **65.6371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **32.1363, 0.3082, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **52.4574, 0.3069, 0.2593**, and if you desaturate by 10%, it is **75.4592, 0.3115, 0.3112**.

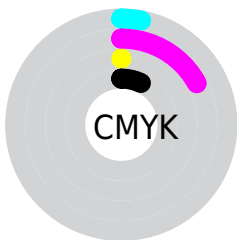
# Distribution



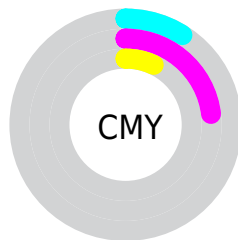
- Red (91%)
- Green (77%)
- Blue (93%)



- Red (91%)
- Yellow (77%)
- Blue (93%)



- Cyan (3%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)




- Cyan (9%)
- Magenta (23%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0945, 0.3094, 0.2856 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 63.0945, 0.3094, 0.2856 by changing the saturation by 10% instead.




 63.0945, 0.3094,  
0.2856

 63.0945, 0.3094,  
0.2856

435.9124, 0.3112,  
0.3055

 45.9177, 0.3089,  
0.2811


109.3058, 0.3101,  
0.2925

 32.1809, 0.3083,  
0.2756


139.1091, 0.3104,  
0.2951

 21.4997, 0.3074,  
0.2686


173.8900, 0.3106,  
0.2975

 13.4897, 0.3061,  
0.2596

214.0329, 0.3107,  
0.2995

 7.7666, 0.3042,  
0.2474

259.9222, 0.3109,  
0.3013

 3.9460, 0.3011,  
0.2302

311.9423, 0.3110,

 1.6434, 0.2954,

0.3028

0.2042

370.4775, 0.3111,  
0.3042

0.3866, 0.2915,  
0.1351

0.0000, 0.0000,  
0.0000

63.0945, 0.3094,  
0.2856

63.0945, 0.3094,  
0.2856

52.4574, 0.3069,  
0.2593

75.4592, 0.3115,  
0.3112

43.4599, 0.3038,  
0.2332

89.6181, 0.3131,  
0.3356

36.0182, 0.3003,  
0.2081

96.7868, 0.3152,  
0.3457

30.0382, 0.2964,  
0.1851

97.5208, 0.3177,  
0.3456

■ 25.4150, 0.2921,  
0.1653

■ 98.2709, 0.3203,  
0.3455

■ 22.0301, 0.2876,  
0.1495

■ 98.9537, 0.3226,  
0.3454

■ 19.7442, 0.2830,  
0.1383

■ 18.3758, 0.2785,  
0.1316

■ 18.0792, 0.2773,  
0.1301

# Harmonies

## Analogous

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



63.0945, 0.2801, 0.2775



63.0945, 0.3094, 0.2856



63.0945, 0.3410, 0.3038

# Triad

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



63.0945, 0.3094, 0.2856



63.0945, 0.3671, 0.3753



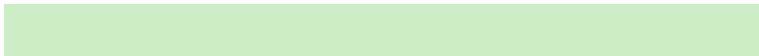
63.0945, 0.2623, 0.3261

# Complementary

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



63.0945, 0.3094, 0.2856



78.0283, 0.3152, 0.3751

# 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.



63.0945, 0.2837, 0.3560



63.0945, 0.3094, 0.2856



63.0945, 0.3442, 0.3850

# Square

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



63.0945, 0.3094, 0.2856



63.0945, 0.3752, 0.3542



63.0945, 0.3135, 0.3782



63.0945, 0.2540, 0.2990



# Rectangle

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



63.0945, 0.3094, 0.2856



63.0945, 0.3588, 0.3197



63.0945, 0.3135, 0.3782



63.0945, 0.2681, 0.3362

# Sweetspot

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



63.0972, 0.3094, 0.2856



91.7215, 0.3119, 0.3167



61.4809, 0.2849, 0.2910



19.3924, 0.3118, 0.3150



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.



63.0972, 0.3094, 0.2856



68.7658, 0.3085, 0.2755



63.5529, 0.3242, 0.2994



15.8865, 0.3111, 0.3055



10.1353, 0.2780, 0.1305



0.8789, 0.2839, 0.1338



# Inverse Universe

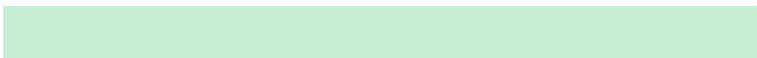
The Inverse Universe completely reimagines the original color for something new.



62.4762, 0.3403, 0.3215



67.9274, 0.3480, 0.3197



77.6796, 0.3028, 0.3606



15.8030, 0.3266, 0.3250



10.2423, 0.6146, 0.3159

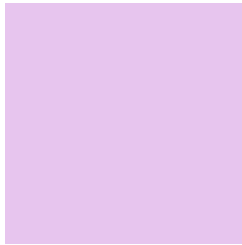


0.8647, 0.5810, 0.2974



# Previews

## White Background



This preview shows how the Yxy color 63.0945, 0.3094, 0.2856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

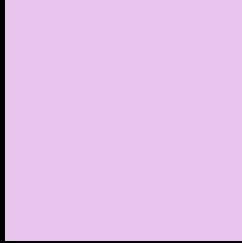
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0945, 0.3094, 0.2856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

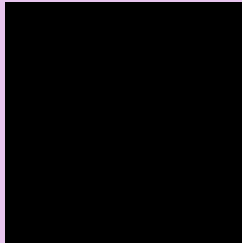
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0945, 0.3094, 0.2856**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0945, 0.3094, 0.2856.



This preview shows how white text looks on a background with the Yxy color 63.0945, 0.3094, 0.2856.

# 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

63.0945, 0.3094, 0.2856

### Protanopia

63.0918, 0.2840, 0.2867

### Deuteranopia

63.2734, 0.2982, 0.2918



## Tritanopia

63.2251, 0.3228, 0.3126

# Trichromacy



## Original Color

63.0945, 0.3094, 0.2856

## Protanomaly

63.1197, 0.2928, 0.2863

## Deuteranomaly

63.2599, 0.3026, 0.2900

## Tritanomaly

63.3484, 0.3178, 0.3031

# Monochromacy



## Original Color

63.0945, 0.3094, 0.2856

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.9062, 0.3119, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0945, 0.3094, 0.2856 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, 197, 238)` looks like.

```
.text, #text, p{  
    color:rgb(231, 197, 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(231, 197, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 197, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0945, 0.3094, 0.2856 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, 197, 238) }
```

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

```
.border{ border-color:rgb(231, 197, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 197, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 197, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 197, 238); box-shadow:4px 4px 4px 4px rgb(231, 197, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0945, 0.3094, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 197, 238) }
```

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

```
.background{ background-color: rgb(231,  
197, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor