

# Converting Colors

Yxy(63.4637, 0.3097, 0.2936)

Have a look what the booklet for  
Yxy(63.4637, 0.3097, 0.2936)  
contains.

<b>Yxy(63.5226, 0.3098, 0.2936)</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(63.5226, 0.3098, 0.2936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C8E9
RGB	227, 200, 233
RGB Percent	89%, 78%, 91%
CMY	0.1100, 0.2156, 0.0863
CMYK	0.03, 0.14, 0.00, 0.09
HSL	289°, 43%, 85%
HSV	289°, 14%, 91%
XYZ	67.0276, 63.5226, 85.8074
YIQ	211.8350, 5.4990, 15.9870

# Conversions

## Conversions Part 2

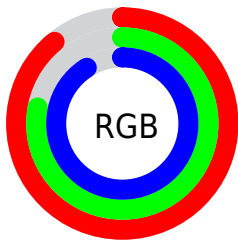
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 200, 233
Decimal	14928105
CIE <sub>Lab</sub>	83.72, 15.24, -12.81
CIE <sub>LCh</sub>	84, 19.907, 319.943
Yxy	63.5226, 0.3098, 0.2936
Android (android.graphics.Color)	4293118185 (0xFFE3C8E9)
YUV	211.8350, 10.4343, 13.2997
Hunter-Lab	79.7011, 10.6394, -8.0418

# Details

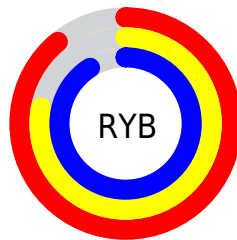
The Yxy color **63.5226, 0.3098, 0.2936** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.5709, 0.3150, 0.3661**, and the grayscale version is **65.6479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.3900, 0.3087, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **52.8569, 0.3072, 0.2674**, and if you desaturate by 10%, it is **75.8554, 0.3120, 0.3189**.

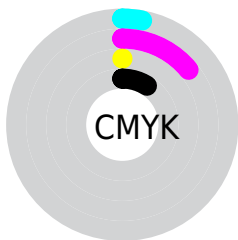
# Distribution



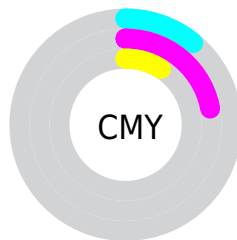
- Red (89%)
- Green (78%)
- Blue (91%)



- Red (89%)
- Yellow (78%)
- Blue (91%)



- Cyan (3%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (22%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5226, 0.3098, 0.2936 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 63.5226, 0.3098, 0.2936 by changing the saturation by 10% instead.



63.5226, 0.3098,  
0.2936

63.5226, 0.3098,  
0.2936

437.4636, 0.3114,  
0.3099

46.2641, 0.3094,  
0.2899

109.9231, 0.3104,  
0.2993

32.4543, 0.3089,  
0.2853

139.8339, 0.3106,  
0.3015

21.7087, 0.3081,  
0.2795

174.7310, 0.3108,  
0.3034

13.6430, 0.3071,  
0.2719

214.9987, 0.3109,  
0.3050

7.8728, 0.3056,  
0.2617

261.0214, 0.3111,  
0.3065

4.0137, 0.3032,  
0.2470

313.1835, 0.3112,

1.6812, 0.2987,

0.3078

0.2243

371.8695, 0.3113,  
0.3089

0.4114, 0.2969,  
0.1601

0.0000, 0.0000,  
0.0000

63.5226, 0.3098,  
0.2936

63.5226, 0.3098,  
0.2936

52.8569, 0.3072,  
0.2674

75.8554, 0.3120,  
0.3189

43.7758, 0.3040,  
0.2411

89.9167, 0.3137,  
0.3428

36.2021, 0.3003,  
0.2154

95.8831, 0.3159,  
0.3509

30.0487, 0.2962,  
0.1914

96.6372, 0.3186,  
0.3507

■ 25.2197, 0.2917,  
0.1703

■ 97.4089, 0.3213,  
0.3506

■ 21.6071, 0.2869,  
0.1530

■ 98.1984, 0.3240,  
0.3504

■ 19.0857, 0.2820,  
0.1401

■ 98.6624, 0.3256,  
0.3503

■ 17.5031, 0.2771,  
0.1318

■ 16.8738, 0.2743,  
0.1285

# Harmonies

## Analogous

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



63.5226, 0.2862, 0.2873



63.5226, 0.3098, 0.2936



63.5226, 0.3351, 0.3084

# Triad

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



63.5226, 0.3098, 0.2936



63.5226, 0.3565, 0.3662



63.5226, 0.2723, 0.3274

# Complementary

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



63.5226, 0.3098, 0.2936



75.5709, 0.3150, 0.3661

# 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.



63.5226, 0.2899, 0.3508



63.5226, 0.3098, 0.2936



63.5226, 0.3385, 0.3736

# Square

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



63.5226, 0.3098, 0.2936



63.5226, 0.3627, 0.3494



63.5226, 0.3140, 0.3682



63.5226, 0.2652, 0.3056



# Rectangle

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



63.5226, 0.3098, 0.2936



63.5226, 0.3492, 0.3214



63.5226, 0.3140, 0.3682



63.5226, 0.2771, 0.3354

# Sweetspot

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



63.5253, 0.3098, 0.2936



93.3115, 0.3120, 0.3192



62.3400, 0.2902, 0.2985



19.7115, 0.3118, 0.3173



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.



63.5253, 0.3098, 0.2936



73.9183, 0.3091, 0.2860



63.9443, 0.3219, 0.3049



15.1663, 0.3109, 0.3056



9.6261, 0.2751, 0.1289



0.7921, 0.2818, 0.1326



# Inverse Universe

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



63.0999, 0.3343, 0.3225



73.3175, 0.3396, 0.3211



75.2286, 0.3046, 0.3544



15.0991, 0.3264, 0.3247



9.9404, 0.6115, 0.3142



0.7934, 0.5750, 0.2941



# Previews

## White Background



This preview shows how the Yxy color 63.5226, 0.3098, 0.2936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

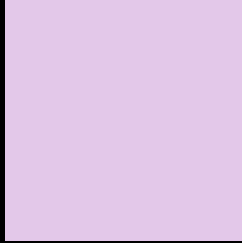
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5226, 0.3098, 0.2936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

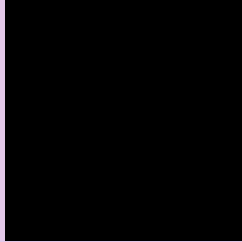
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.5226, 0.3098, 0.2936**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5226, 0.3098, 0.2936.



This preview shows how white text looks on a background with the Yxy color 63.5226, 0.3098, 0.2936.

# 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

63.5226, 0.3098, 0.2936

### Protanopia

63.6361, 0.2898, 0.2944

### Deuteranopia

63.4435, 0.3037, 0.2972



## Tritanopia

63.7814, 0.3188, 0.3126

# Trichromacy



## Original Color

63.5226, 0.3098, 0.2936

## Protanomaly

63.2389, 0.2967, 0.2937

## Deuteranomaly

63.4394, 0.3060, 0.2963

## Tritanomaly

63.7375, 0.3161, 0.3062

# Monochromacy



## Original Color

63.5226, 0.3098, 0.2936

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.0308, 0.3111, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5226, 0.3098, 0.2936 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(227, 200, 233)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 233)  
}
```

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(227, 200, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5226, 0.3098, 0.2936 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(227, 200, 233) }
```

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

```
.border{ border-color:rgb(227, 200, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 200, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 200, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 200, 233); box-shadow:4px 4px 4px 4px rgb(227, 200, 233) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5226, 0.3098, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 200, 233) }
```

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

```
.background{ background-color: rgb(227,  
200, 233) }
```

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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