

# Converting Colors

$Yxy(63.4615, 0.3154, 0.2916)$

Have a look what the booklet for  
Yxy(63.4615, 0.3154, 0.2916)  
contains.

<b>Yxy(63.3081, 0.3153, 0.2909)</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(63.3081, 0.3153, 0.2909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAC5E9
RGB	234, 197, 233
RGB Percent	92%, 77%, 91%
CMY	0.0822, 0.2275, 0.0862
CMYK	0.00, 0.16, 0.00, 0.08
HSL	302°, 47%, 85%
HSV	302°, 16%, 92%
XYZ	68.6182, 63.3081, 85.7021
YIQ	212.1670, 10.4960, 19.0400

# Conversions

## Conversions Part 2

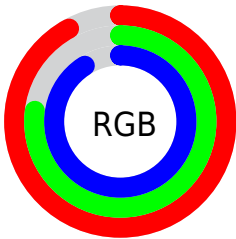
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 197, 233
Decimal	15386089
CIE <sub>Lab</sub>	83.60, 19.21, -12.93
CIE <sub>LCh</sub>	84, 23.159, 326.064
Yxy	63.3081, 0.3153, 0.2909
Android (android.graphics.Color)	4293576169 (0xFFEAC5E9)
YUV	212.1670, 10.2707, 19.1475
Hunter-Lab	79.5664, 14.6976, -8.1656

# Details

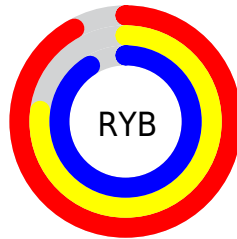
The Yxy color  $63.3081, 0.3153, 0.2909$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $74.8192, 0.3101, 0.3703$ , and the grayscale version is  $65.8848, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3636, 0.3128, 0.3281$ , and  $32.2842, 0.3159, 0.2824$  is the 20% darker color. If you saturate the color by 10%, you get  $53.4579, 0.3171, 0.2664$ , and if you desaturate by 10%, it is  $74.8139, 0.3136, 0.3152$ .

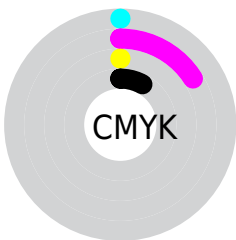
# Distribution



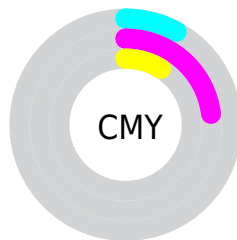
- Red (92%)
- Green (77%)
- Blue (91%)



- Red (92%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (23%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3081, 0.3153, 0.2909 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 63.3081, 0.3153, 0.2909 by changing the saturation by 10% instead.




 63.3081, 0.3153,  
0.2909

 63.3081, 0.3153,  
0.2909


436.6868, 0.3143,  
0.3084

 46.0905, 0.3155,  
0.2869

109.6139, 0.3150,  
0.2970

 32.3172, 0.3157,  
0.2820


139.4709, 0.3149,  
0.2993

 21.6039, 0.3159,  
0.2759


174.3098, 0.3148,  
0.3014

 13.5662, 0.3161,  
0.2678

214.5150, 0.3146,  
0.3031

 7.8196, 0.3162,  
0.2570

260.4709, 0.3146,  
0.3047

 3.9797, 0.3161,  
0.2415


312.5619, 0.3145,

 1.6622, 0.3153,


0.3061


0.2178


371.1724, 0.3144,  
0.3073


 0.3990, 0.3218,  
0.1514


 0.0000, 0.0000,  
0.0000


 63.3081, 0.3153,  
0.2909


 63.3081, 0.3153,  
0.2909


 53.4579, 0.3171,  
0.2664


 74.8139, 0.3136,  
0.3152


 45.1792, 0.3189,  
0.2425

 88.0381, 0.3121,  
0.3386

 38.3930, 0.3207,  
0.2201

 95.0170, 0.3112,  
0.3491

 33.0098, 0.3224,  
0.2002

 95.0548, 0.3108,  
0.3484

28.9312, 0.3241,  
0.1836

95.0928, 0.3105,  
0.3478

26.0454, 0.3255,  
0.1711

95.1309, 0.3101,  
0.3471

24.2224, 0.3267,  
0.1630

95.1692, 0.3097,  
0.3464

23.3015, 0.3277,  
0.1590

95.2076, 0.3093,  
0.3458

23.0747, 0.3281,  
0.1581

95.2461, 0.3090,  
0.3451

# Harmonies

## Analogous

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



63.3081, 0.2869, 0.2814



63.3081, 0.3153, 0.2909



63.3081, 0.3442, 0.3094

# Triad

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



63.3081, 0.3153, 0.2909



63.3081, 0.3604, 0.3750



63.3081, 0.2631, 0.3212

# Complementary

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



63.3081, 0.3153, 0.2909



74.8192, 0.3101, 0.3703

# 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.



63.3081, 0.2811, 0.3492



63.3081, 0.3153, 0.2909



63.3081, 0.3371, 0.3812

# Square

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



63.3081, 0.3153, 0.2909



63.3081, 0.3708, 0.3569



63.3081, 0.3081, 0.3718



63.3081, 0.2578, 0.2973



# Rectangle

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



63.3081, 0.3153, 0.2909



63.3081, 0.3594, 0.3249



63.3081, 0.3081, 0.3718



63.3081, 0.2678, 0.3305

# Sweetspot

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



63.3109, 0.3153, 0.2909



92.1103, 0.3135, 0.3171



57.8219, 0.2874, 0.2865



19.4872, 0.3136, 0.3154



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.



63.3109, 0.3153, 0.2909



72.8011, 0.3159, 0.2829



62.3281, 0.3288, 0.3097



15.3061, 0.3142, 0.3064



12.9642, 0.3280, 0.1581



1.0203, 0.3269, 0.1575



# Inverse Universe

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



63.3109, 0.3153, 0.2909



72.8011, 0.3159, 0.2829



75.7058, 0.2992, 0.3492



15.3061, 0.3142, 0.3064



12.9642, 0.3280, 0.1581



1.0203, 0.3269, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 63.3081, 0.3153, 0.2909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

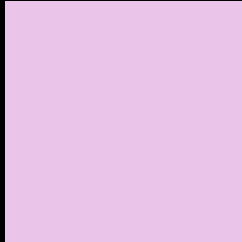
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3081, 0.3153, 0.2909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

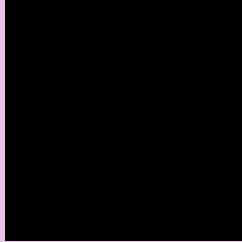
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.3081, 0.3153, 0.2909**

## Background



This preview shows how black text looks on a background with the Yxy color 63.3081, 0.3153, 0.2909.



This preview shows how white text looks on a background with the Yxy color 63.3081, 0.3153, 0.2909.

# 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

63.3081, 0.3153, 0.2909

### Protanopia

63.5542, 0.2885, 0.2933

### Deuteranopia

63.4435, 0.3037, 0.2972



## Tritanopia

63.4222, 0.3260, 0.3117

# Trichromacy



## Original Color

63.3081, 0.3153, 0.2909

## Protanomaly

63.1224, 0.2975, 0.2917

## Deuteranomaly

63.4468, 0.3082, 0.2955

## Tritanomaly

63.4444, 0.3224, 0.3043

# Monochromacy



## Original Color

63.3081, 0.3153, 0.2909

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.0086, 0.3134, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.3081, 0.3153, 0.2909 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(234, 197, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 197, 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(234, 197, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 197, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3081, 0.3153, 0.2909 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(234, 197, 233) }
```

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

```
.border{ border-color:rgb(234, 197, 233) }
```

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

Here you see how a box with a 4 pixel rgb(234, 197, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 197, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 197, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 197,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3081, 0.3153, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 197, 233) }
```

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

```
.background{ background-color: rgb(234,  
197, 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](#).

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