

# Converting Colors

Yxy(66.6501, 0.3114, 0.2939)

Have a look what the booklet for  
Yxy(66.6501, 0.3114, 0.2939)  
contains.

<b>Yxy(66.6238, 0.3114, 0.2943)</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(66.6238, 0.3114, 0.2943)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9CCED
RGB	233, 204, 237
RGB Percent	91%, 80%, 93%
CMY	0.0861, 0.2000, 0.0706
CMYK	0.02, 0.14, 0.00, 0.07
HSL	293°, 48%, 86%
HSV	293°, 14%, 93%
XYZ	70.4949, 66.6238, 89.2619
YIQ	216.4330, 6.6910, 16.4110

# Conversions

## Conversions Part 2

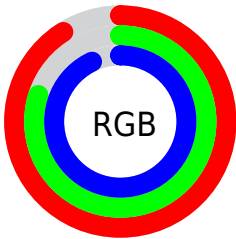
Format	Color
R <sub>Y</sub> B	233, 204, 237
Decimal	15322349
CIE Lab	85.31, 15.90, -12.50
CIE LCh	85, 20.226, 321.815
Yxy	66.6238, 0.3114, 0.2943
Android (android.graphics.Color)	4293512429 (0xFFE9CCED)
YUV	216.4330, 10.1395, 14.5293
Hunter-Lab	81.6234, 11.3224, -7.7021

# Details

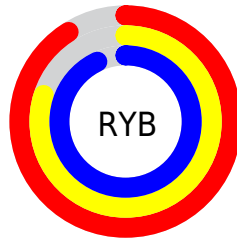
The Yxy color **66.6238, 0.3114, 0.2943** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.3261, 0.3136, 0.3657**, and the grayscale version is **68.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4960, 0.3108, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **55.7326, 0.3101, 0.2685**, and if you desaturate by 10%, it is **79.2425, 0.3124, 0.3194**.

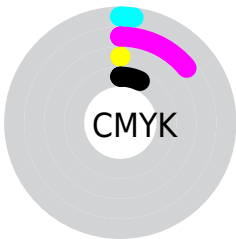
# Distribution



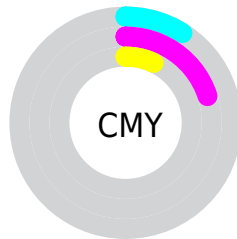
- Red (91%)
- Green (80%)
- Blue (93%)



- Red (91%)
- Yellow (80%)
- Blue (93%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (20%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6238, 0.3114, 0.2943 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 66.6238, 0.3114, 0.2943 by changing the saturation by 10% instead.



66.6238, 0.3114,  
0.2943

66.6238, 0.3114,  
0.2943

448.6045, 0.3122,  
0.3102

48.7790, 0.3112,  
0.2907

114.3812, 0.3117,  
0.2998

34.4442, 0.3109,  
0.2863

145.0625, 0.3118,  
0.3019

23.2350, 0.3104,  
0.2808

180.7915, 0.3119,  
0.3038

14.7672, 0.3098,  
0.2736

221.9525, 0.3120,  
0.3054

8.6561, 0.3089,  
0.2639

268.9299, 0.3121,  
0.3068

4.5176, 0.3073,  
0.2502

322.1081, 0.3121,

1.9671, 0.3044,

0.3080

0.2293

381.8715, 0.3122,  
0.3092

0.5882, 0.3006,  
0.1858

0.0000, 0.0000,  
0.0000

66.6238, 0.3114,  
0.2943

66.6238, 0.3114,  
0.2943

55.7326, 0.3101,  
0.2685

79.2425, 0.3124,  
0.3194

46.4830, 0.3084,  
0.2427

93.6525, 0.3131,  
0.3434

38.7948, 0.3064,  
0.2178

96.4320, 0.3147,  
0.3468

32.5775, 0.3041,  
0.1949

96.9359, 0.3165,  
0.3467

■ 27.7314, 0.3014,  
0.1750

■ 97.4476, 0.3183,  
0.3466

■ 24.1441, 0.2985,  
0.1590

■ 97.9671, 0.3201,  
0.3465

■ 21.6858, 0.2955,  
0.1473

■ 98.4945, 0.3219,  
0.3464

■ 20.1980, 0.2924,  
0.1401

■ 98.8943, 0.3232,  
0.3464

■ 19.6216, 0.2905,  
0.1374

# Harmonies

## Analogous

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



66.6238, 0.2875, 0.2874



66.6238, 0.3114, 0.2943



66.6238, 0.3365, 0.3095

# Triad

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



66.6238, 0.3114, 0.2943



66.6238, 0.3557, 0.3670



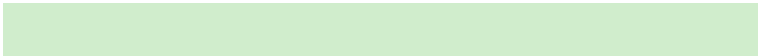
66.6238, 0.2715, 0.3259

# Complementary

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



66.6238, 0.3114, 0.2943



78.3261, 0.3136, 0.3657

# 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.



66.6238, 0.2885, 0.3495



66.6238, 0.3114, 0.2943



66.6238, 0.3371, 0.3736

# Square

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



66.6238, 0.3114, 0.2943



66.6238, 0.3627, 0.3506



66.6238, 0.3124, 0.3674



66.6238, 0.2652, 0.3044



# Rectangle

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



66.6238, 0.3114, 0.2943



66.6238, 0.3503, 0.3227



66.6238, 0.3124, 0.3674



66.6238, 0.2761, 0.3339

# Sweetspot

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



66.6267, 0.3114, 0.2943



93.4334, 0.3124, 0.3192



64.2517, 0.2905, 0.2971



19.7425, 0.3123, 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.



66.6267, 0.3114, 0.2943



74.4227, 0.3110, 0.2862



66.6145, 0.3230, 0.3069



15.2171, 0.3119, 0.3057



10.7512, 0.2910, 0.1377



0.8700, 0.2954, 0.1401



# Inverse Universe

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



65.7349, 0.3355, 0.3248



73.1731, 0.3417, 0.3238



78.3651, 0.3037, 0.3521



15.0833, 0.3274, 0.3262



9.8863, 0.6250, 0.3217

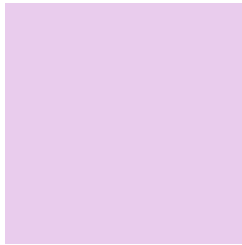


0.7859, 0.5956, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 66.6238, 0.3114, 0.2943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

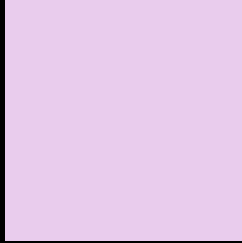
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6238, 0.3114, 0.2943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

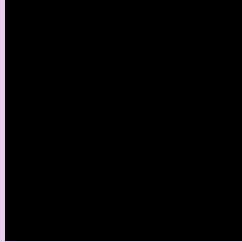
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.6238, 0.3114, 0.2943**

## Background



This preview shows how black text looks on a background with the Yxy color 66.6238, 0.3114, 0.2943.



This preview shows how white text looks on a background with the Yxy color 66.6238, 0.3114, 0.2943.

# 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

66.6238, 0.3114, 0.2943

### Protanopia

67.0531, 0.2909, 0.2962

### Deuteranopia

66.8559, 0.3046, 0.2989



## Tritanopia

66.4593, 0.3196, 0.3108

# Trichromacy



## Original Color

66.6238, 0.3114, 0.2943

## Protanomaly

66.7976, 0.2984, 0.2955

## Deuteranomaly

67.0127, 0.3075, 0.2981

## Tritanomaly

66.4199, 0.3169, 0.3045

# Monochromacy



## Original Color

66.6238, 0.3114, 0.2943

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.9984, 0.3119, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6238, 0.3114, 0.2943 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(233, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 204, 237)  
}
```

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(233, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 204, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6238, 0.3114, 0.2943 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(233, 204, 237) }
```

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

```
.border{ border-color:rgb(233, 204, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 204, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 204,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6238, 0.3114, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 204, 237) }
```

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

```
.background{ background-color: rgb(233,  
204, 237) }
```

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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