

# Converting Colors

Yxy(64.6592, 0.3108, 0.2656)

Have a look what the booklet for  
Yxy(64.6592, 0.3108, 0.2656)  
contains.

<b>Yxy(64.6213, 0.3111, 0.2654)</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(64.6213, 0.3111, 0.2654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9BFFF
RGB	249, 191, 255
RGB Percent	98%, 75%, 100%
CMY	0.0236, 0.2510, 0.0000
CMYK	0.02, 0.25, 0.00, 0.00
HSL	294°, 100%, 87%
HSV	294°, 25%, 100%
XYZ	75.7486, 64.6213, 103.1165
YIQ	215.6380, 14.0240, 32.2000

# Conversions

## Conversions Part 2

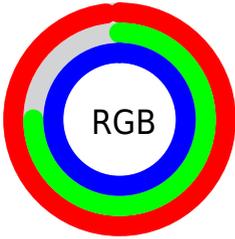
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 191, 255
Decimal	16367615
CIE <sub>Lab</sub>	84.29, 31.29, -23.49
CIE <sub>LCh</sub>	84, 39.131, 323.102
Y <sub>xy</sub>	64.6213, 0.3111, 0.2654
Android (android.graphics.Color)	4294557695 (0xFFFF9BFFF)
Y <sub>UV</sub>	215.6380, 19.4055, 29.2585
Hunter-Lab	80.3874, 27.5218, -19.7828

# Details

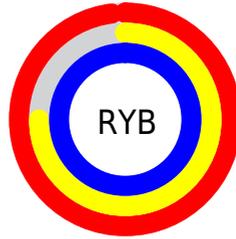
The Yxy color  $64.6213, 0.3111, 0.2654$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.1544, 0.3130, 0.4000$ , and the grayscale version is  $68.2681, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $33.1750, 0.3103, 0.2518$  is the 20% darker color. If you saturate the color by 10%, you get  $54.0135, 0.3100, 0.2399$ , and if you desaturate by 10%, it is  $77.1720, 0.3119, 0.2912$ .

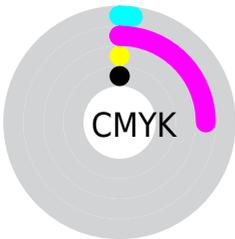
# Distribution



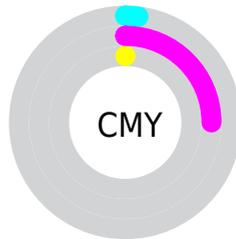
- Red (98%)
- Green (75%)
- Blue (100%)



- Red (98%)
- Yellow (75%)
- Blue (100%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6213, 0.3111, 0.2654 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 64.6213, 0.3111, 0.2654 by changing the saturation by 10% instead.



 64.6213, 0.3111,  
0.2654

 64.6213, 0.3111,  
0.2654

441.4298, 0.3125,  
0.2938

 47.1541, 0.3106,  
0.2592

 111.5052, 0.3117,  
0.2751

 33.1575, 0.3100,  
0.2516

141.6907, 0.3119,  
0.2789

 22.2471, 0.3091,  
0.2422

176.8844, 0.3120,  
0.2822

 14.0386, 0.3078,  
0.2302

217.4707, 0.3122,  
0.2851

 8.1475, 0.3057,  
0.2146

263.8340, 0.3123,  
0.2877

 4.1895, 0.3021,  
0.1934

316.3587, 0.3124,

 1.7801, 0.2954,

0.2899

0.1631

375.4292, 0.3124,  
0.2920

 0.4747, 0.2849,  
0.1062

 0.0000, 0.1459,  
0.0000

 64.6213, 0.3111,  
0.2654

 64.6213, 0.3111,  
0.2654

 54.0135, 0.3100,  
0.2399

 77.1720, 0.3119,  
0.2912

 45.2466, 0.3086,  
0.2155

 91.7570, 0.3125,  
0.3165

 38.2116, 0.3069,  
0.1933

100.0000, 0.3127,  
0.3290

 32.7876, 0.3050,  
0.1743

■ 28.8381, 0.3028,  
0.1594

■ 26.2038, 0.3005,  
0.1489

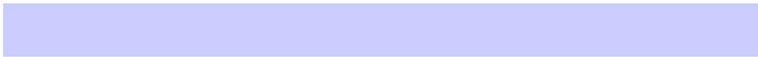
■ 24.6885, 0.2981,  
0.1428

■ 24.2170, 0.2969,  
0.1409

# Harmonies

## Analogous

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



64.6213, 0.2655, 0.2515



64.6213, 0.3111, 0.2654



64.6213, 0.3608, 0.2932

# Triad

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



64.6213, 0.3111, 0.2654



64.6213, 0.3944, 0.4017



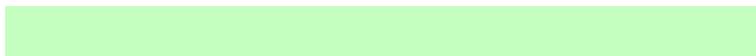
64.6213, 0.2334, 0.3187

# Complementary

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



64.6213, 0.3111, 0.2654



87.1544, 0.3130, 0.4000

# 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.



64.6213, 0.2635, 0.3678



64.6213, 0.3111, 0.2654



64.6213, 0.3563, 0.4178

# Square

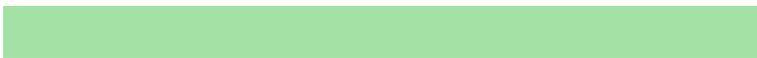
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6213, 0.3111, 0.2654



64.6213, 0.4107, 0.3687



64.6213, 0.3082, 0.4063



64.6213, 0.2234, 0.2780



# Rectangle

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



64.6213, 0.3111, 0.2654



64.6213, 0.3882, 0.3170



64.6213, 0.3082, 0.4063



64.6213, 0.2413, 0.3349

# Sweetspot

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



64.6219, 0.3111, 0.2654



87.3063, 0.3124, 0.3093



58.4139, 0.2700, 0.2646



18.2085, 0.3123, 0.3055



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.



64.6219, 0.3111, 0.2654



59.1827, 0.3106, 0.2528



64.2038, 0.3349, 0.2903



18.2085, 0.3123, 0.3055



12.6895, 0.2973, 0.1412



1.2598, 0.3002, 0.1427



# Inverse Universe

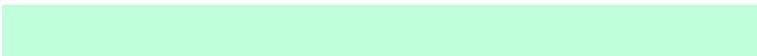
The Inverse Universe completely reimagines the original color for something new.



62.5561, 0.3611, 0.3229



56.8319, 0.3740, 0.3217



87.5863, 0.2955, 0.3713



18.0148, 0.3280, 0.3268



11.1524, 0.6297, 0.3243

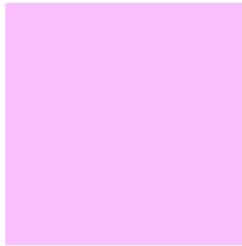


1.0947, 0.6094, 0.3131



# Previews

## White Background



This preview shows how the Yxy color 64.6213, 0.3111, 0.2654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

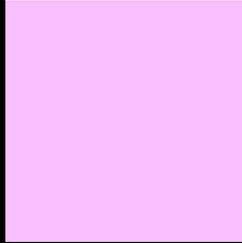
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6213, 0.3111, 0.2654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

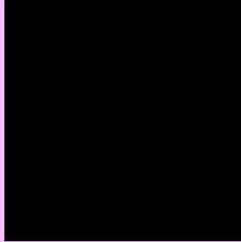
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6213, 0.3111, 0.2654**

## Background



This preview shows how black text looks on a background with the Yxy color 64.6213, 0.3111, 0.2654.

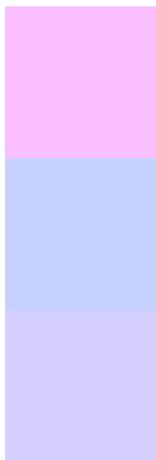


This preview shows how white text looks on a background with the Yxy color 64.6213, 0.3111, 0.2654.

# 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

64.6213, 0.3111, 0.2654

### Protanopia

64.9630, 0.2763, 0.2787

### Deuteranopia

65.0198, 0.2858, 0.2795



## Tritanopia

64.7566, 0.3363, 0.3132

# Trichromacy



## Original Color

64.6213, 0.3111, 0.2654



## Protanomaly

64.2128, 0.2879, 0.2727



## Deuteranomaly

64.8727, 0.2948, 0.2745



## Tritanomaly

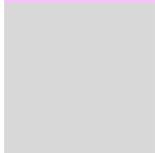
64.5495, 0.3268, 0.2949

# Monochromacy



## Original Color

64.6213, 0.3111, 0.2654



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

66.8328, 0.3124, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6213, 0.3111, 0.2654 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(249, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 191, 255)  
}
```

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(249, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 191, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6213, 0.3111, 0.2654 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(249, 191, 255) }
```

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

```
.border{ border-color:rgb(249, 191, 255) }
```

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

Here you see how a box with a 4 pixel rgb(249, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 191,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6213, 0.3111, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 191, 255) }
```

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

```
.background{ background-color: rgb(249,  
191, 255) }
```

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