

# Converting Colors

$Y_{xy}(64.3970, 0.3158, 0.2633)$

Have a look what the booklet for  
Yxy(64.3970, 0.3158, 0.2633)  
contains.

<b>Yxy(64.4464, 0.3158, 0.2634)</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(64.4464, 0.3158, 0.2634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCFF
RGB	255, 188, 255
RGB Percent	100%, 74%, 100%
CMY	0.0000, 0.2627, 0.0001
CMYK	0.00, 0.26, 0.00, 0.00
HSL	300°, 100%, 87%
HSV	300°, 26%, 100%
XYZ	77.2672, 64.4464, 102.9577
YIQ	215.6710, 18.4250, 35.0410

# Conversions

## Conversions Part 2

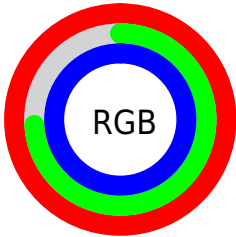
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 188, 255
Decimal	16760063
CIE Lab	84.20, 34.76, -23.55
CIE LCh	84, 41.987, 325.883
Yxy	64.4464, 0.3158, 0.2634
Android (android.graphics.Color)	4294950143 (0xFFFFBCFF)
YUV	215.6710, 19.3892, 34.4915
Hunter-Lab	80.2785, 31.3168, -19.8448

# Details

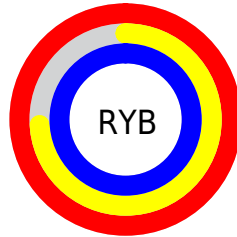
The Yxy color  $64.4464, 0.3158, 0.2634$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $85.8380, 0.3092, 0.4047$ , and the grayscale version is  $68.2916, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.7848, 0.3132, 0.3194$ , and  $32.9977, 0.3154, 0.2493$  is the 20% darker color. If you saturate the color by 10%, you get  $54.4991, 0.3170, 0.2389$ , and if you desaturate by 10%, it is  $76.3240, 0.3146, 0.2886$ .

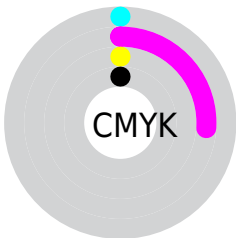
# Distribution



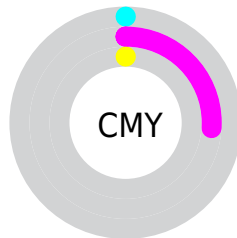
- Red (100%)
- Green (74%)
- Blue (100%)



- Red (100%)
- Yellow (74%)
- Blue (100%)



- Cyan (0%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4464, 0.3158, 0.2634 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 64.4464, 0.3158, 0.2634 by changing the saturation by 10% instead.




 64.4464, 0.3158,  
0.2634

 64.4464, 0.3158,  
0.2634


440.7999, 0.3150,  
0.2926

 47.0123, 0.3158,  
0.2570


 111.2536, 0.3157,  
0.2733

 33.0454, 0.3158,  
0.2492


141.3955, 0.3156,  
0.2772

 22.1612, 0.3156,  
0.2396


176.5421, 0.3155,  
0.2806

 13.9754, 0.3152,  
0.2274

217.0778, 0.3154,  
0.2836

 8.1036, 0.3144,  
0.2115

263.3871, 0.3153,  
0.2863

 4.1613, 0.3125,  
0.1900

315.8542, 0.3152,


 1.7642, 0.3084,


0.2886


0.1595

374.8637, 0.3151,  
0.2907

 0.4647, 0.3023,  
0.1022

 0.0000, 0.2009,  
0.0000


 64.4464, 0.3158,  
0.2634


 64.4464, 0.3158,  
0.2634

 54.4991, 0.3170,  
0.2389

 76.3240, 0.3146,  
0.2886

 46.3723, 0.3180,  
0.2161

 90.2172, 0.3134,  
0.3137

 39.9582, 0.3190,  
0.1960

99.9973, 0.3127,  
0.3290

 35.1344, 0.3198,  
0.1794

99.9975, 0.3127,  
0.3290

■ 31.7621, 0.3203, 99.9977, 0.3127,  
0.1670 0.3290

■ 29.6788, 0.3207, 99.9979, 0.3127,  
0.1590 0.3290

■ 28.6820, 0.3209, 99.9979, 0.3127,  
0.1550 0.3290

■ 28.4752, 0.3210,  
0.1542

# Harmonies

## Analogous

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



64.4464, 0.2660, 0.2471



64.4464, 0.3158, 0.2634



64.4464, 0.3689, 0.2940

# Triad

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



64.4464, 0.3158, 0.2634



64.4464, 0.3971, 0.4092



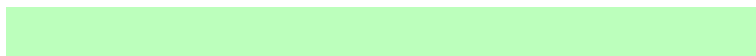
64.4464, 0.2260, 0.3129

# Complementary

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



64.4464, 0.3158, 0.2634



85.8380, 0.3092, 0.4047

# 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.



64.4464, 0.2561, 0.3659



64.4464, 0.3158, 0.2634



64.4464, 0.3545, 0.4248

# Square

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



64.4464, 0.3158, 0.2634



64.4464, 0.4175, 0.3746



64.4464, 0.3028, 0.4098



64.4464, 0.2177, 0.2710



# Rectangle

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



64.4464, 0.3158, 0.2634



64.4464, 0.3973, 0.3196



64.4464, 0.3028, 0.4098



64.4464, 0.2337, 0.3302

# Sweetspot

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



64.4492, 0.3158, 0.2634



87.6677, 0.3136, 0.3093



53.8850, 0.2670, 0.2534



18.3004, 0.3138, 0.3056



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.



64.4492, 0.3158, 0.2634



58.5201, 0.3165, 0.2492



62.4777, 0.3415, 0.2950



18.3004, 0.3138, 0.3056



14.8804, 0.3210, 0.1542



1.4489, 0.3209, 0.1542



# Inverse Universe

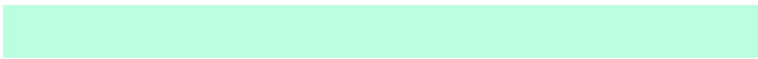
The Inverse Universe completely reimagines the original color for something new.



64.4492, 0.3158, 0.2634



58.5201, 0.3165, 0.2492



87.4535, 0.2912, 0.3659



18.3004, 0.3138, 0.3056



14.8804, 0.3210, 0.1542



1.4489, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 64.4464, 0.3158, 0.2634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

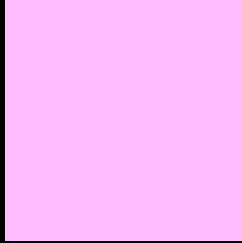
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4464, 0.3158, 0.2634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

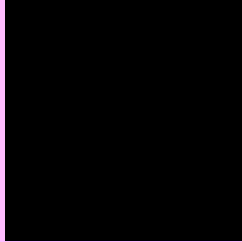
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.4464, 0.3158, 0.2634**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4464, 0.3158, 0.2634.



This preview shows how white text looks on a background with the Yxy color 64.4464, 0.3158, 0.2634.

# 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

64.4464, 0.3158, 0.2634

### Protanopia

64.9630, 0.2763, 0.2787

### Deuteranopia

64.8725, 0.2852, 0.2794



## Tritanopia

64.3227, 0.3439, 0.3134

# Trichromacy



## Original Color

64.4464, 0.3158, 0.2634



## Protanomaly

64.0534, 0.2893, 0.2719



## Deuteranomaly

64.1074, 0.2955, 0.2725



## Tritanomaly

64.1952, 0.3334, 0.2943

# Monochromacy



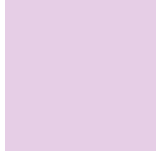
## Original Color

64.4464, 0.3158, 0.2634



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

66.6788, 0.3139, 0.3034

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4464, 0.3158, 0.2634 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(255, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 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(255, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4464, 0.3158, 0.2634 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(255, 188, 255) }
```

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

```
.border{ border-color:rgb(255, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4464, 0.3158, 0.2634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 255) }
```

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

```
.background{ background-color: rgb(255,  
188, 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](#).

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