

# Converting Colors

Yxy(76.1786, 0.4055, 0.3143)

Have a look what the booklet for  
Yxy(76.1786, 0.4055, 0.3143)  
contains.

<b>Yxy(61.6827, 0.3542, 0.3105)</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(61.6827, 0.3542, 0.3105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCCE
RGB	255, 188, 206
RGB Percent	100%, 74%, 81%
CMY	0.0000, 0.2627, 0.1920
CMYK	0.00, 0.26, 0.19, 0.00
HSL	344°, 100%, 87%
HSV	344°, 26%, 100%
XYZ	70.3640, 61.6827, 66.6094
YIQ	210.0850, 34.1540, 19.8020

# Conversions

## Conversions Part 2

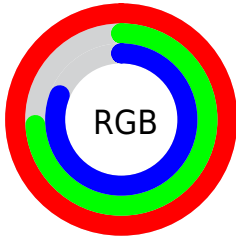
Format	Color
R <sub>Y</sub> B	255, 188, 206
Decimal	16760014
CIE Lab	82.74, 26.69, 0.47
CIE LCh	83, 26.696, 1.005
Yxy	61.6827, 0.3542, 0.3105
Android (android.graphics.Color)	4294950094 (0xFFFFBCCE)
YUV	210.0850, -2.0139, 39.3905
Hunter-Lab	78.5383, 22.4794, 4.6922

# Details

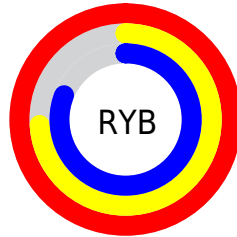
The Yxy color **61.6827, 0.3542, 0.3105** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.3186, 0.2832, 0.3485**, and the grayscale version is **64.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **31.1875, 0.3643, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **50.8831, 0.3768, 0.3031**, and if you desaturate by 10%, it is **74.5200, 0.3357, 0.3178**.

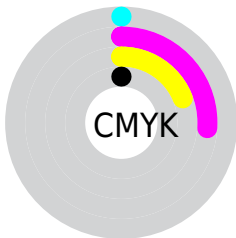
# Distribution



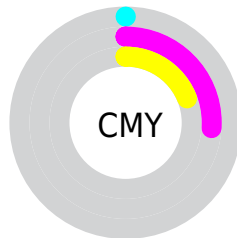
- Red (100%)
- Green (74%)
- Blue (81%)



- Red (100%)
- Yellow (74%)
- Blue (81%)



- Cyan (0%)
- Magenta (26%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6827, 0.3542, 0.3105 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 61.6827, 0.3542, 0.3105 by changing the saturation by 10% instead.




 61.6827, 0.3542,  
0.3105

 61.6827, 0.3542,  
0.3105


430.7727, 0.3344,  
0.3194

 44.7764, 0.3589,  
0.3084

 107.2668, 0.3472,  
0.3136

 31.2813, 0.3647,  
0.3058


136.7134, 0.3445,  
0.3148

 20.8132, 0.3723,  
0.3024


171.1088, 0.3422,  
0.3159

 12.9875, 0.3824,  
0.2978


210.8375, 0.3402,  
0.3167

 7.4199, 0.3965,  
0.2914

256.2838, 0.3385,  
0.3175

 3.7261, 0.4178,  
0.2818


307.8322, 0.3370,

 1.5215, 0.4533,

0.3182

0.2656


365.8671, 0.3356,  
0.3188


 0.3038, 0.6107,  
0.1965

 0.0000, 0.0000,  
0.0000


 61.6827, 0.3542,  
0.3105


 61.6827, 0.3542,  
0.3105

 50.8831, 0.3768,  
0.3031

 74.5200, 0.3357,  
0.3178

 42.0076, 0.4042,  
0.2962

 89.4840, 0.3207,  
0.3248

 34.9446, 0.4363,  
0.2904

99.9982, 0.3127,  
0.3290

 29.5673, 0.4725,  
0.2869

■ 25.7326, 0.5111,  
0.2868

■ 23.2729, 0.5486,  
0.2911

■ 21.9805, 0.5811,  
0.2996

■ 21.6831, 0.5915,  
0.3032

# Harmonies

## Analogous

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



61.6827, 0.3213, 0.2880



61.6827, 0.3542, 0.3105



61.6827, 0.3760, 0.3381

# Triad

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



61.6827, 0.3542, 0.3105



61.6827, 0.3355, 0.3895



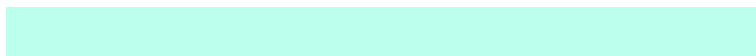
61.6827, 0.2499, 0.2884

# Complementary

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



61.6827, 0.3542, 0.3105



88.3186, 0.2832, 0.3485

# 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.



61.6827, 0.2532, 0.3145



61.6827, 0.3542, 0.3105



61.6827, 0.3015, 0.3757

# Square

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



61.6827, 0.3542, 0.3105



61.6827, 0.3643, 0.3846



61.6827, 0.2717, 0.3472



61.6827, 0.2620, 0.2748



# Rectangle

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



61.6827, 0.3542, 0.3105



61.6827, 0.3806, 0.3565



61.6827, 0.2717, 0.3472



61.6827, 0.2492, 0.2959

# Sweetspot

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



61.6855, 0.3542, 0.3105



86.7445, 0.3230, 0.3237



61.0239, 0.3014, 0.2604



18.0674, 0.3252, 0.3226



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.



61.6855, 0.3542, 0.3105



55.2571, 0.3666, 0.3063



67.3750, 0.3656, 0.3442



18.0674, 0.3252, 0.3226



11.3519, 0.5874, 0.3010



1.1226, 0.5556, 0.2834



# Inverse Universe

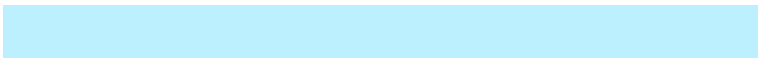
The Inverse Universe completely reimagines the original color for something new.



61.6855, 0.3542, 0.3105



55.2571, 0.3666, 0.3063



80.5133, 0.2727, 0.3132



18.0674, 0.3252, 0.3226



11.3519, 0.5874, 0.3010



1.1226, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 61.6827, 0.3542, 0.3105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

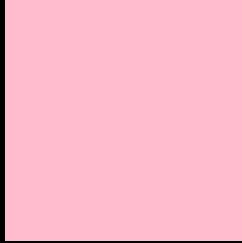
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6827, 0.3542, 0.3105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

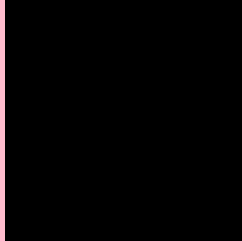
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.6827, 0.3542, 0.3105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6827, 0.3542, 0.3105.



This preview shows how white text looks on a background with the Yxy color 61.6827, 0.3542, 0.3105.

# 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

61.6827, 0.3542, 0.3105

### Protanopia

61.8859, 0.3065, 0.3164

### Deuteranopia

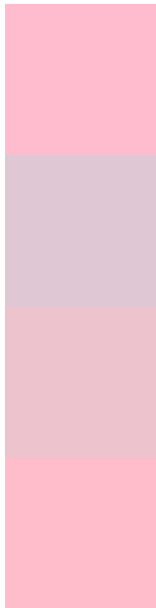
61.9991, 0.3311, 0.3246



## Tritanopia

61.9670, 0.3565, 0.3146

# Trichromacy



## Original Color

61.6827, 0.3542, 0.3105

## Protanomaly

61.4476, 0.3228, 0.3146

## Deuteranomaly

61.8922, 0.3389, 0.3193

## Tritanomaly

62.0148, 0.3557, 0.3136

# Monochromacy



## Original Color

61.6827, 0.3542, 0.3105

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.0133, 0.3263, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6827, 0.3542, 0.3105 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6827, 0.3542, 0.3105 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, 206) }
```

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

```
.border{ border-color:rgb(255, 188, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6827, 0.3542, 0.3105 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
188, 206) }
```

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