

# Converting Colors

$Yxy(62.0357, 0.3532, 0.3102)$

Have a look what the booklet for  
Yxy(62.0357, 0.3532, 0.3102)  
contains.

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# Color

**Yxy(62.1602, 0.3532, 0.3105)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBDCF
RGB	255, 189, 207
RGB Percent	100%, 74%, 81%
CMY	0.0000, 0.2588, 0.1881
CMYK	0.00, 0.26, 0.19, 0.00
HSL	344°, 100%, 87%
HSV	344°, 26%, 100%
XYZ	70.7085, 62.1602, 67.3252
YIQ	210.7860, 33.5580, 19.5900

# Conversions

## Conversions Part 2

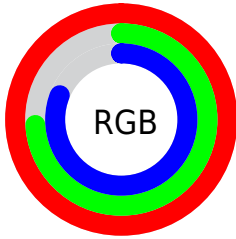
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 189, 207
Decimal	16760271
CIE Lab	83.00, 26.33, 0.30
CIE LCh	83, 26.335, 0.654
Yxy	62.1602, 0.3532, 0.3105
Android (android.graphics.Color)	4294950351 (0xFFFFBDCF)
YUV	210.7860, -1.8665, 38.7757
Hunter-Lab	78.8417, 22.1130, 4.5598

# Details

The Yxy color  $62.1602, 0.3532, 0.3105$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $88.4501, 0.2837, 0.3484$ , and the grayscale version is  $64.9882, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $31.4982, 0.3629, 0.3053$  is the 20% darker color. If you saturate the color by 10%, you get  $51.2830, 0.3755, 0.3030$ , and if you desaturate by 10%, it is  $75.0709, 0.3349, 0.3179$ .

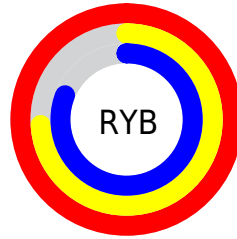
# Distribution



Red (100%)

Green (74%)

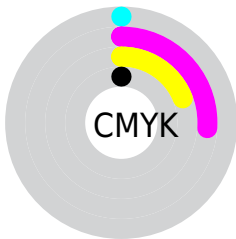
Blue (81%)



Red (100%)

Yellow (74%)

Blue (81%)

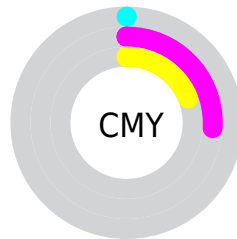


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1602, 0.3532, 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 62.1602, 0.3532, 0.3105 by changing the saturation by 10% instead.




 62.1602, 0.3532,  
0.3105

 62.1602, 0.3532,  
0.3105

432.5152, 0.3339,  
0.3193

 45.1622, 0.3577,  
0.3084


 107.9570, 0.3464,  
0.3136

 31.5852, 0.3634,  
0.3058


137.5246, 0.3438,  
0.3148

 21.0448, 0.3708,  
0.3024


172.0508, 0.3415,  
0.3158

 13.1568, 0.3806,  
0.2979

211.9201, 0.3396,  
0.3167

 7.5366, 0.3943,  
0.2916

257.5167, 0.3379,  
0.3175

 3.7999, 0.4149,  
0.2821


309.2252, 0.3364,

 1.5623, 0.4491,


0.3182


0.2662


367.4299, 0.3351,  
0.3188


 0.3320, 0.5891,  
0.2029

 0.0000, 0.0000,  
0.0000


 62.1602, 0.3532,  
0.3105


 62.1602, 0.3532,  
0.3105

 51.2830, 0.3755,  
0.3030

 75.0709, 0.3349,  
0.3179

 42.3367, 0.4025,  
0.2959

 90.1143, 0.3201,  
0.3250

 35.2066, 0.4342,  
0.2900

100.0000, 0.3127,  
0.3290

 29.7666, 0.4701,  
0.2863

■ 25.8742, 0.5084,  
0.2860

■ 23.3633, 0.5459,  
0.2900

■ 22.0284, 0.5785,  
0.2984

■ 21.6984, 0.5902,  
0.3025

# Harmonies

## Analogous

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



62.1602, 0.3208, 0.2884



62.1602, 0.3532, 0.3105



62.1602, 0.3748, 0.3377

# Triad

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



62.1602, 0.3532, 0.3105



62.1602, 0.3355, 0.3885



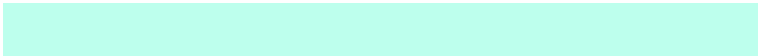
62.1602, 0.2508, 0.2893

# Complementary

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



62.1602, 0.3532, 0.3105



88.4501, 0.2837, 0.3484

# 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.



62.1602, 0.2543, 0.3151



62.1602, 0.3532, 0.3105



62.1602, 0.3021, 0.3752

# Square

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



62.1602, 0.3532, 0.3105



62.1602, 0.3638, 0.3836



62.1602, 0.2726, 0.3473



62.1602, 0.2626, 0.2757



# Rectangle

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



62.1602, 0.3532, 0.3105



62.1602, 0.3795, 0.3558



62.1602, 0.2726, 0.3473



62.1602, 0.2502, 0.2967

# Sweetspot

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



62.1595, 0.3532, 0.3105



86.7496, 0.3230, 0.3236



61.4967, 0.3016, 0.2615



18.0686, 0.3251, 0.3225



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.



62.1595, 0.3532, 0.3105



56.3479, 0.3641, 0.3066



67.7854, 0.3646, 0.3440



18.0686, 0.3251, 0.3225



11.3592, 0.5860, 0.3002



1.1234, 0.5542, 0.2826



# Inverse Universe

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



62.1595, 0.3532, 0.3105



56.3479, 0.3641, 0.3066



80.7705, 0.2732, 0.3135



18.0686, 0.3251, 0.3225



11.3592, 0.5860, 0.3002



1.1234, 0.5542, 0.2826



# Previews

## White Background



This preview shows how the Yxy color 62.1602, 0.3532, 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 62.1602, 0.3532, 0.3105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

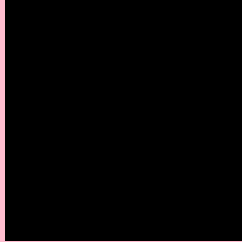
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1602, 0.3532, 0.3105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1602, 0.3532, 0.3105.



This preview shows how white text looks on a background with the Yxy color 62.1602, 0.3532, 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

62.1602, 0.3532, 0.3105

### Protanopia

62.5623, 0.3066, 0.3165

### Deuteranopia

62.2103, 0.3311, 0.3235



## Tritanopia

62.0148, 0.3557, 0.3136

# Trichromacy



## Original Color

62.1602, 0.3532, 0.3105

## Protanomaly

62.1202, 0.3227, 0.3147

## Deuteranomaly

62.1132, 0.3389, 0.3183

## Tritanomaly

62.0630, 0.3549, 0.3126

# Monochromacy



## Original Color

62.1602, 0.3532, 0.3105

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

63.6959, 0.3262, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1602, 0.3532, 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, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 207)  
}
```

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, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1602, 0.3532, 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, 189, 207) }
```

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

```
.border{ border-color:rgb(255, 189, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 189, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1602, 0.3532, 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, 189, 207) }
```

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

```
.background{ background-color: rgb(255,  
189, 207) }
```

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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