

# Converting Colors

$Y_{xy}(67.6978, 0.3804, 0.3201)$

Have a look what the booklet for  
Yxy(67.6978, 0.3804, 0.3201)  
contains.

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# Color

**Yxy(62.2570, 0.3588, 0.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBEC8
RGB	255, 190, 200
RGB Percent	100%, 75%, 78%
CMY	0.0001, 0.2548, 0.2157
CMYK	0.00, 0.25, 0.22, 0.00
HSL	351°, 100%, 87%
HSV	351°, 25%, 100%
XYZ	70.0684, 62.2570, 62.9600
YIQ	210.5750, 35.5300, 16.8900

# Conversions

## Conversions Part 2

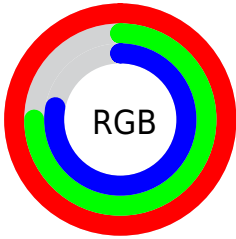
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 190, 200
Decimal	16760520
CIE Lab	83.05, 24.74, 4.15
CIE LCh	83, 25.088, 9.531
Yxy	62.2570, 0.3588, 0.3188
Android (android.graphics.Color)	4294950600 (0xFFFFBEC8)
YUV	210.5750, -5.2135, 38.9607
Hunter-Lab	78.9031, 20.4331, 7.9222

# Details

The Yxy color **62.2570, 0.3588, 0.3188** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.0414, 0.2802, 0.3396**, and the grayscale version is **64.8644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **31.5540, 0.3705, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **51.2238, 0.3849, 0.3146**, and if you desaturate by 10%, it is **75.3703, 0.3376, 0.3230**.

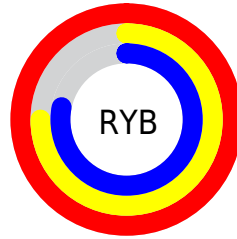
# Distribution



Red (100%)

Green (75%)

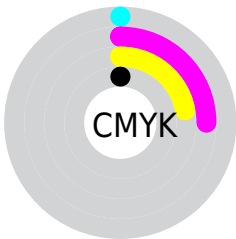
Blue (78%)



Red (100%)

Yellow (75%)

Blue (78%)

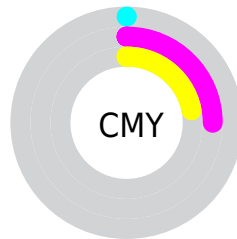


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2570, 0.3588, 0.3188 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 62.2570, 0.3588, 0.3188 by changing the saturation by 10% instead.





 62.2570, 0.3588,  
0.3188

 62.2570, 0.3588,  
0.3188


432.8679, 0.3368,  
0.3239

 45.2404, 0.3640,  
0.3175


 108.0969, 0.3510,  
0.3206

 31.6468, 0.3706,  
0.3159


137.6889, 0.3480,  
0.3213

 21.0919, 0.3790,  
0.3138


172.2416, 0.3455,  
0.3219

 13.1912, 0.3903,  
0.3109

212.1393, 0.3432,  
0.3224

 7.5603, 0.4062,  
0.3067

257.7664, 0.3413,  
0.3229

 3.8149, 0.4302,  
0.3000


309.5072, 0.3396,

 1.5706, 0.4702,

0.3233


0.2880

367.7463, 0.3381,  
0.3236

 0.3376, 0.6910,  
0.2515


 0.0000, 0.0000,  
0.0000


 62.2570, 0.3588,  
0.3188


 62.2570, 0.3588,  
0.3188

 51.2238, 0.3849,  
0.3146


 75.3703, 0.3376,  
0.3230

 42.1555, 0.4167,  
0.3107

 90.6541, 0.3206,  
0.3269

 34.9391, 0.4542,  
0.3077

99.9937, 0.3127,  
0.3290

 29.4460, 0.4964,  
0.3062

■ 25.5318, 0.5402,  
0.3071

■ 23.0278, 0.5805,  
0.3108

■ 21.7267, 0.6117,  
0.3171

■ 21.4011, 0.6221,  
0.3201

# Harmonies

## Analogous

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



62.2570, 0.3301, 0.2957



62.2570, 0.3588, 0.3188



62.2570, 0.3748, 0.3452

# Triad

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



62.2570, 0.3588, 0.3188



62.2570, 0.3252, 0.3836



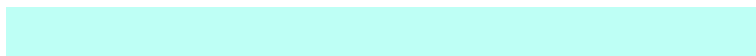
62.2570, 0.2554, 0.2860

# Complementary

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



62.2570, 0.3588, 0.3188



89.0414, 0.2802, 0.3396

# 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.



62.2570, 0.2544, 0.3076



62.2570, 0.3588, 0.3188



62.2570, 0.2936, 0.3661

# Square

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



62.2570, 0.3588, 0.3188



62.2570, 0.3545, 0.3840



62.2570, 0.2680, 0.3373



62.2570, 0.2709, 0.2768



# Rectangle

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



62.2570, 0.3588, 0.3188



62.2570, 0.3756, 0.3619



62.2570, 0.2680, 0.3373



62.2570, 0.2534, 0.2920

# Sweetspot

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



62.2599, 0.3588, 0.3188



86.6051, 0.3245, 0.3260



63.3130, 0.3075, 0.2638



18.0325, 0.3270, 0.3254



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.



62.2599, 0.3588, 0.3188



55.9254, 0.3726, 0.3165



71.8947, 0.3616, 0.3514



18.0325, 0.3270, 0.3254



11.1993, 0.6191, 0.3184



1.1031, 0.5919, 0.3034



# Inverse Universe

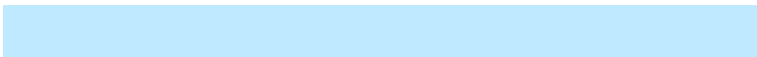
The Inverse Universe completely reimagines the original color for something new.



62.2599, 0.3588, 0.3188



55.9254, 0.3726, 0.3165



76.6263, 0.2731, 0.3054



18.0325, 0.3270, 0.3254



11.1993, 0.6191, 0.3184



1.1031, 0.5919, 0.3034



# Previews

## White Background



This preview shows how the Yxy color 62.2570, 0.3588, 0.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

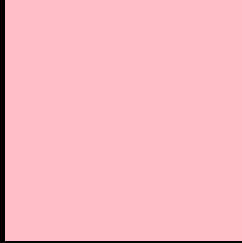
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2570, 0.3588, 0.3188 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 62.2570, 0.3588, 0.3188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2570, 0.3588, 0.3188.

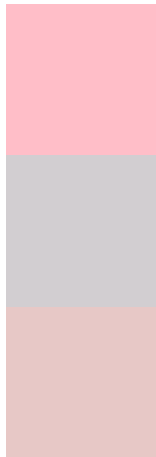


This preview shows how white text looks on a background with the Yxy color 62.2570, 0.3588, 0.3188.

# 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

62.2570, 0.3588, 0.3188

### Protanopia

62.4477, 0.3136, 0.3256

### Deuteranopia

62.3747, 0.3389, 0.3313



## Tritanopia

62.4465, 0.3555, 0.3147

# Trichromacy



## Original Color

62.2570, 0.3588, 0.3188

## Protanomaly

61.9335, 0.3288, 0.3224

## Deuteranomaly

62.1286, 0.3461, 0.3259

## Tritanomaly

62.3987, 0.3563, 0.3157

# Monochromacy



## Original Color

62.2570, 0.3588, 0.3188

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

63.5478, 0.3285, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2570, 0.3588, 0.3188 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, 190, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 200)  
}
```

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, 190, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2570, 0.3588, 0.3188 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, 190, 200) }
```

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

```
.border{ border-color:rgb(255, 190, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2570, 0.3588, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 200) }
```

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

```
.background{ background-color: rgb(255,  
190, 200) }
```

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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