

# Converting Colors

$Y_{xy}(62.6972, 0.3513, 0.3095)$

Have a look what the booklet for  
Yxy(62.6972, 0.3513, 0.3095)  
contains.

<b>Yxy(62.6904, 0.3514, 0.3095)</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(62.6904, 0.3514, 0.3095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBED1
RGB	255, 190, 209
RGB Percent	100%, 75%, 82%
CMY	0.0000, 0.2550, 0.1803
CMYK	0.00, 0.25, 0.18, 0.00
HSL	342°, 100%, 87%
HSV	342°, 25%, 100%
XYZ	71.1774, 62.6904, 68.6860
YIQ	211.6010, 32.6410, 19.6890

# Conversions

## Conversions Part 2

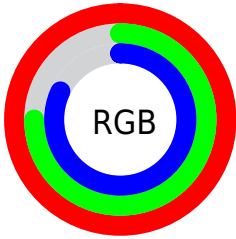
Format	Color
R <sub>Y</sub> B	255, 190, 209
Decimal	16760529
CIE Lab	83.28, 26.12, -0.36
CIE LCh	83, 26.126, 359.219
Yxy	62.6904, 0.3514, 0.3095
Android (android.graphics.Color)	4294950609 (0xFFFFBED1)
YUV	211.6010, -1.2823, 38.0609
Hunter-Lab	79.1773, 21.9046, 3.9902

# Details

The Yxy color **62.6904, 0.3514, 0.3095** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.5186, 0.2848, 0.3495**, and the grayscale version is **65.5461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **31.8452, 0.3603, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **51.7453, 0.3729, 0.3015**, and if you desaturate by 10%, it is **75.6563, 0.3337, 0.3175**.

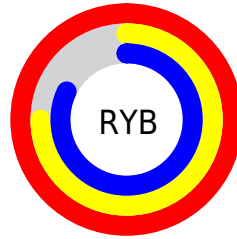
# Distribution



Red (100%)

Green (75%)

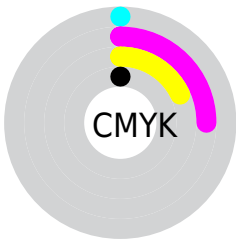
Blue (82%)



Red (100%)

Yellow (75%)

Blue (82%)

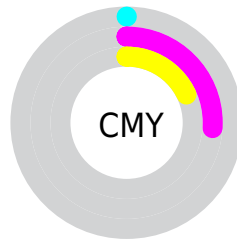


Cyan (0%)

Magenta (25%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6904, 0.3514, 0.3095 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 62.6904, 0.3514, 0.3095 by changing the saturation by 10% instead.




 62.6904, 0.3514,  
0.3095

 62.6904, 0.3514,  
0.3095


434.4450, 0.3330,  
0.3188

 45.5908, 0.3557,  
0.3073


 108.7227, 0.3449,  
0.3128

 31.9230, 0.3611,  
0.3046


138.4242, 0.3424,  
0.3140

 21.3027, 0.3681,  
0.3011


173.0952, 0.3403,  
0.3151

 13.3455, 0.3773,  
0.2965

213.1199, 0.3385,  
0.3160

 7.6669, 0.3903,  
0.2900

258.8829, 0.3368,  
0.3168

 3.8825, 0.4097,  
0.2803

310.7685, 0.3354,

 1.6081, 0.4418,

0.3176

0.2643

369.1610, 0.3342,  
0.3182

0.3630, 0.5585,  
0.2046

0.0000, 0.0000,  
0.0000

62.6904, 0.3514,  
0.3095

62.6904, 0.3514,  
0.3095

51.7453, 0.3729,  
0.3015

75.6563, 0.3337,  
0.3175

42.7359, 0.3988,  
0.2938

90.7584, 0.3194,  
0.3250

35.5425, 0.4294,  
0.2873

100.0000, 0.3127,  
0.3290

30.0399, 0.4640,  
0.2831

■ 26.0867, 0.5012,  
0.2823

■ 23.5184, 0.5380,  
0.2860

■ 22.1321, 0.5707,  
0.2943

■ 21.7637, 0.5836,  
0.2989

# Harmonies

## Analogous

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



62.6904, 0.3191, 0.2880



62.6904, 0.3514, 0.3095



62.6904, 0.3735, 0.3363

# Triad

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



62.6904, 0.3514, 0.3095



62.6904, 0.3368, 0.3880



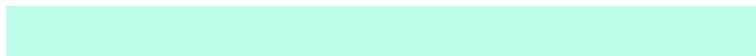
62.6904, 0.2512, 0.2907

# Complementary

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



62.6904, 0.3514, 0.3095



88.5186, 0.2848, 0.3495

# 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.



62.6904, 0.2554, 0.3167



62.6904, 0.3514, 0.3095



62.6904, 0.3038, 0.3757

# Square

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



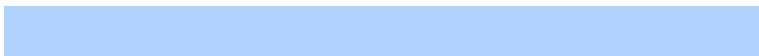
62.6904, 0.3514, 0.3095



62.6904, 0.3643, 0.3824



62.6904, 0.2743, 0.3486



62.6904, 0.2622, 0.2766



# Rectangle

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



62.6904, 0.3514, 0.3095



62.6904, 0.3787, 0.3544



62.6904, 0.2743, 0.3486



62.6904, 0.2509, 0.2982

# Sweetspot

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



62.6841, 0.3514, 0.3095



86.7734, 0.3227, 0.3232



61.7860, 0.3010, 0.2624



18.0746, 0.3248, 0.3221



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.



62.6841, 0.3514, 0.3095



56.4193, 0.3627, 0.3051



67.6823, 0.3639, 0.3426



18.0746, 0.3248, 0.3221



11.3945, 0.5794, 0.2965



1.1275, 0.5474, 0.2789



# Inverse Universe

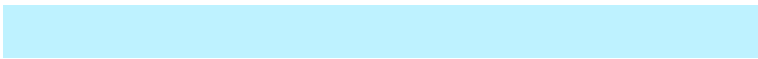
The Inverse Universe completely reimagines the original color for something new.



62.6841, 0.3514, 0.3095



56.4193, 0.3627, 0.3051



81.6671, 0.2739, 0.3149



18.0746, 0.3248, 0.3221



11.3945, 0.5794, 0.2965



1.1275, 0.5474, 0.2789



# Previews

## White Background



This preview shows how the Yxy color 62.6904, 0.3514, 0.3095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

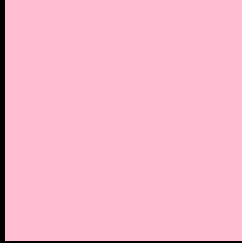
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6904, 0.3514, 0.3095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

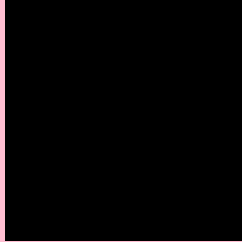
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6904, 0.3514, 0.3095**

## Background



This preview shows how black text looks on a background with the Yxy color 62.6904, 0.3514, 0.3095.

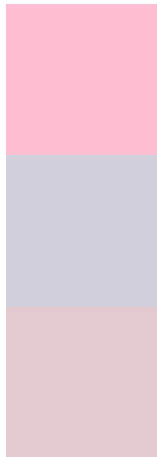


This preview shows how white text looks on a background with the Yxy color 62.6904, 0.3514, 0.3095.

# 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

62.6904, 0.3514, 0.3095

### Protanopia

63.1500, 0.3052, 0.3154

### Deuteranopia

62.7723, 0.3295, 0.3224



## Tritanopia

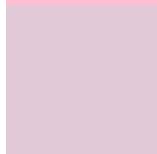
62.9294, 0.3545, 0.3147

# Trichromacy



## Original Color

62.6904, 0.3514, 0.3095



## Protanomaly

62.6871, 0.3212, 0.3136



## Deuteranomaly

62.6637, 0.3372, 0.3172



## Tritanomaly

62.9778, 0.3537, 0.3136

# Monochromacy



## Original Color

62.6904, 0.3514, 0.3095



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

64.3829, 0.3262, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6904, 0.3514, 0.3095 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6904, 0.3514, 0.3095 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, 209) }
```

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

```
.border{ border-color:rgb(255, 190, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6904, 0.3514, 0.3095 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
190, 209) }
```

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