

# Converting Colors

$Y_{xy}(67.6919, 0.3726, 0.3557)$

Have a look what the booklet for  
Yxy(67.6919, 0.3726, 0.3557)  
contains.

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# Color

**Yxy(67.6601, 0.3730, 0.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCB2
RGB	255, 204, 178
RGB Percent	100%, 80%, 70%
CMY	0.0002, 0.1999, 0.3020
CMYK	0.00, 0.20, 0.30, 0.00
HSL	20°, 100%, 85%
HSV	20°, 30%, 100%
XYZ	70.8513, 67.6601, 51.4384
YIQ	216.2850, 38.7420, 2.7260

# Conversions

## Conversions Part 2

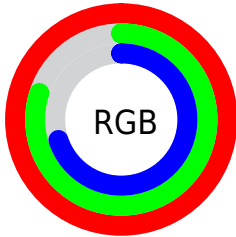
Format	Color
R <sub>Y</sub> B	255, 217, 178
Decimal	16764082
CIE Lab	85.84, 14.41, 19.81
CIE LCh	86, 24.498, 53.978
Yxy	67.6601, 0.3730, 0.3562
Android (android.graphics.Color)	4294954162 (0xFFFFCCB2)
YUV	216.2850, -18.8745, 33.9531
Hunter-Lab	82.2558, 9.8040, 20.5022

# Details

The Yxy color **67.6601, 0.3730, 0.3562** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.6617, 0.2658, 0.3000**, and the grayscale version is **68.9838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **35.1637, 0.3880, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **59.1428, 0.4001, 0.3655**, and if you desaturate by 10%, it is **77.2423, 0.3497, 0.3468**.

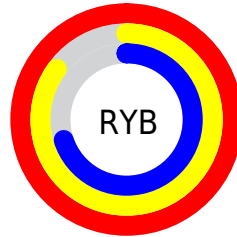
# Distribution



Red (100%)

Green (80%)

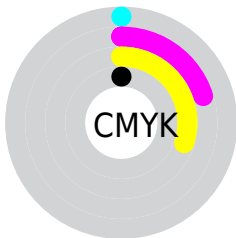
Blue (70%)



Red (100%)

Yellow (85%)

Blue (70%)

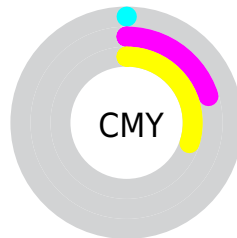


Cyan (0%)

Magenta (20%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6601, 0.3730, 0.3562 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 67.6601, 0.3730, 0.3562 by changing the saturation by 10% instead.




 67.6601, 0.3730,  
0.3562

 67.6601, 0.3730,  
0.3562

452.2908, 0.3445,  
0.3442

 49.6213, 0.3796,  
0.3588


 115.8658, 0.3630,  
0.3521

 35.1126, 0.3879,  
0.3619


146.8014, 0.3592,  
0.3505

 23.7496, 0.3983,  
0.3657


182.8047, 0.3559,  
0.3491

 15.1480, 0.4121,  
0.3703

224.2601, 0.3530,  
0.3479

 8.9233, 0.4310,  
0.3760

271.5520, 0.3505,  
0.3468

 4.6912, 0.4582,  
0.3828

325.0649, 0.3482,

 2.0672, 0.5057,

0.3458

0.3944

385.1830, 0.3463,  
0.3449

0.6461, 0.6007,  
0.3993

0.0000, 0.0000,  
0.0000

67.6601, 0.3730,  
0.3562

67.6601, 0.3730,  
0.3562

59.1428, 0.4001,  
0.3655

77.2423, 0.3497,  
0.3468

51.6428, 0.4309,  
0.3741

87.9160, 0.3298,  
0.3377

45.1227, 0.4649,  
0.3810

99.7186, 0.3130,  
0.3292

39.5391, 0.5005,  
0.3850

99.9886, 0.3127,  
0.3290

■ 34.8446, 0.5353,  
0.3847

■ 30.9866, 0.5660,  
0.3794

■ 27.9488, 0.5898,  
0.3699

# Harmonies

## Analogous

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



67.6601, 0.3657, 0.3314



67.6601, 0.3730, 0.3562



67.6601, 0.3632, 0.3755

# Triad

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



67.6601, 0.3730, 0.3562



67.6601, 0.2817, 0.3518



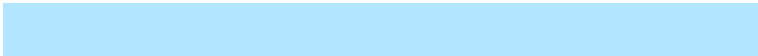
67.6601, 0.2842, 0.2795

# Complementary

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



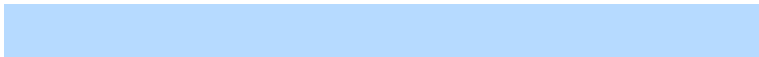
67.6601, 0.3730, 0.3562



72.6617, 0.2658, 0.3000

# 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.



67.6601, 0.2637, 0.2823



67.6601, 0.3730, 0.3562



67.6601, 0.2623, 0.3229

# Square

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



67.6601, 0.3730, 0.3562



67.6601, 0.3100, 0.3746



67.6601, 0.2559, 0.2976



67.6601, 0.3132, 0.2886



# Rectangle

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



67.6601, 0.3730, 0.3562



67.6601, 0.3488, 0.3822



67.6601, 0.2559, 0.2976



67.6601, 0.2761, 0.2791

# Sweetspot

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



67.6632, 0.3730, 0.3562



89.3015, 0.3277, 0.3367



58.7584, 0.3364, 0.2772



18.7626, 0.3303, 0.3379



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.



67.6632, 0.3730, 0.3562



62.6144, 0.3883, 0.3617



88.0351, 0.3619, 0.3932



18.9917, 0.3286, 0.3371



14.8579, 0.5868, 0.3722

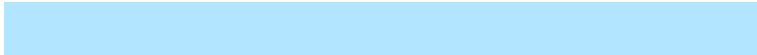


1.6393, 0.5649, 0.3896

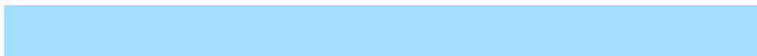


# Inverse Universe

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



72.6617, 0.2658, 0.3000



68.3025, 0.2570, 0.2934



53.8605, 0.2607, 0.2554



19.3852, 0.2980, 0.3208



18.8290, 0.1928, 0.2141



2.0357, 0.1969, 0.2287



# Previews

## White Background



This preview shows how the Yxy color 67.6601, 0.3730, 0.3562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

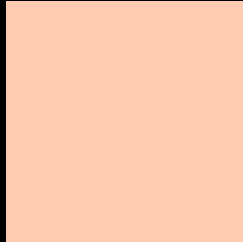
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6601, 0.3730, 0.3562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

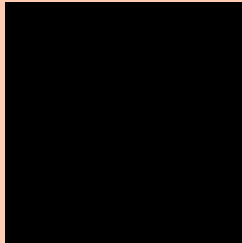
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6601, 0.3730, 0.3562**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6601, 0.3730, 0.3562.



This preview shows how white text looks on a background with the Yxy color 67.6601, 0.3730, 0.3562.

# 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

67.6601, 0.3730, 0.3562

### Protanopia

67.6808, 0.3436, 0.3636

### Deuteranopia

67.9397, 0.3681, 0.3608



## Tritanopia

67.4236, 0.3456, 0.3148

# Trichromacy



**Original Color**

67.6601, 0.3730, 0.3562

**Protanomaly**

67.4339, 0.3546, 0.3606

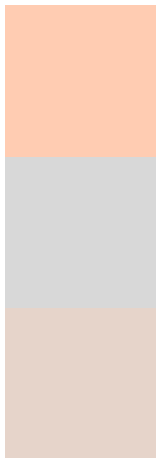
**Deuteranomaly**

67.8262, 0.3700, 0.3596

**Tritanomaly**

67.2503, 0.3556, 0.3291

# Monochromacy



**Original Color**

67.6601, 0.3730, 0.3562

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.1742, 0.3333, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6601, 0.3730, 0.3562 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, 204, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 178)  
}
```

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, 204, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6601, 0.3730, 0.3562 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, 204, 178) }
```

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

```
.border{ border-color:rgb(255, 204, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6601, 0.3730, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 178) }
```

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

```
.background{ background-color: rgb(255,  
204, 178) }
```

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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