

# Converting Colors

$Y_{xy}(70.2368, 0.3628, 0.3484)$

Have a look what the booklet for  
Yxy(70.2368, 0.3628, 0.3484)  
contains.

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# Color

**Yxy(70.0895, 0.3626, 0.3477)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD0BE
RGB	255, 208, 190
RGB Percent	100%, 82%, 75%
CMY	0.0000, 0.1843, 0.2549
CMYK	0.00, 0.18, 0.25, 0.00
HSL	17°, 100%, 87%
HSV	17°, 25%, 100%
XYZ	73.0930, 70.0895, 58.3978
YIQ	220.0010, 33.7900, 4.3660

# Conversions

## Conversions Part 2

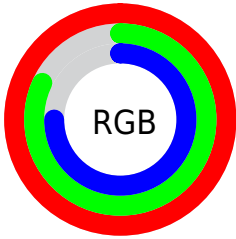
Format	Color
R <sub>Y</sub> B	255, 215, 190
Decimal	16765118
CIE Lab	87.04, 13.95, 15.16
CIE LCh	87, 20.600, 47.387
Yxy	70.0895, 0.3626, 0.3477
Android (android.graphics.Color)	4294955198 (0xFFFFD0BE)
YUV	220.0010, -14.7905, 30.6941
Hunter-Lab	83.7195, 9.3341, 17.2464

# Details

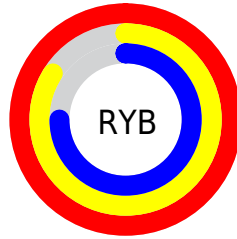
The Yxy color **70.0895, 0.3626, 0.3477** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.7431, 0.2734, 0.3095**, and the grayscale version is **71.6597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **36.7877, 0.3738, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **60.5962, 0.3890, 0.3555**, and if you desaturate by 10%, it is **80.8271, 0.3403, 0.3401**.

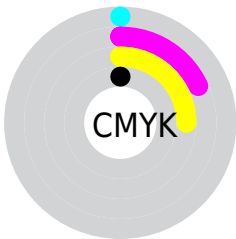
# Distribution



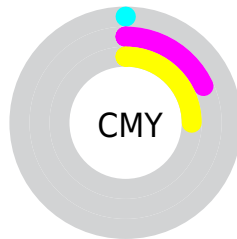
- Red (100%)
- Green (82%)
- Blue (75%)



- Red (100%)
- Yellow (84%)
- Blue (75%)



- Cyan (0%)
- Magenta (18%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0895, 0.3626, 0.3477 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 70.0895, 0.3626, 0.3477 by changing the saturation by 10% instead.





 70.0895, 0.3626,  
0.3477

 70.0895, 0.3626,  
0.3477


460.8642, 0.3392,  
0.3395

 51.5995, 0.3680,  
0.3495


 119.3364, 0.3544,  
0.3449

 36.6859, 0.3748,  
0.3516


150.8621, 0.3512,  
0.3438

 24.9644, 0.3834,  
0.3542


187.5017, 0.3485,  
0.3429

 16.0506, 0.3947,  
0.3574

229.6398, 0.3461,  
0.3420

 9.5599, 0.4102,  
0.3614

277.6607, 0.3441,  
0.3413

 5.1082, 0.4327,  
0.3663

331.9488, 0.3422,

 2.3109, 0.4679,

0.3406

0.3720

392.8885, 0.3406,  
0.3400

0.7795, 0.5863,  
0.4137

0.0000, 1.0000,  
0.0000

70.0895, 0.3626,  
0.3477

70.0895, 0.3626,  
0.3477

60.5962, 0.3890,  
0.3555

80.8271, 0.3403,  
0.3401

52.2958, 0.4197,  
0.3629

92.8468, 0.3216,  
0.3328

45.1415, 0.4546,  
0.3691

100.0000, 0.3127,  
0.3290

39.0810, 0.4924,  
0.3733

■ 34.0576, 0.5309,  
0.3740

■ 30.0091, 0.5663,  
0.3704

■ 26.8651, 0.5946,  
0.3623

■ 25.7144, 0.6049,  
0.3579

# Harmonies

## Analogous

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



70.0895, 0.3535, 0.3266



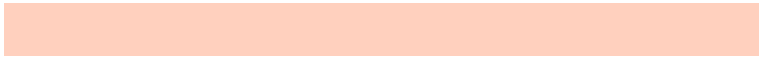
70.0895, 0.3626, 0.3477



70.0895, 0.3577, 0.3651

# Triad

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



70.0895, 0.3626, 0.3477



70.0895, 0.2917, 0.3527



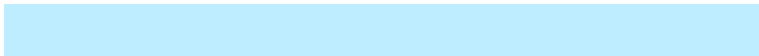
70.0895, 0.2844, 0.2872

# Complementary

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



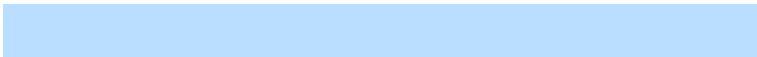
70.0895, 0.3626, 0.3477



78.7431, 0.2734, 0.3095

# 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.



70.0895, 0.2693, 0.2921



70.0895, 0.3626, 0.3477



70.0895, 0.2733, 0.3294

# Square

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



70.0895, 0.3626, 0.3477



70.0895, 0.3162, 0.3692



70.0895, 0.2653, 0.3071



70.0895, 0.3076, 0.2926



# Rectangle

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



70.0895, 0.3626, 0.3477



70.0895, 0.3473, 0.3720



70.0895, 0.2653, 0.3071



70.0895, 0.2783, 0.2876

# Sweetspot

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



70.0913, 0.3626, 0.3477



89.7009, 0.3260, 0.3346



64.2461, 0.3286, 0.2813



18.8054, 0.3287, 0.3356



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.



70.0913, 0.3626, 0.3477



64.7044, 0.3766, 0.3520



87.2021, 0.3548, 0.3790



18.8054, 0.3287, 0.3356



13.6497, 0.6021, 0.3601

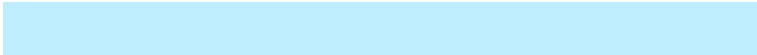


1.5029, 0.5801, 0.3776

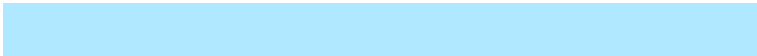


# Inverse Universe

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



78.7431, 0.2734, 0.3095



74.7885, 0.2652, 0.3046



61.9159, 0.2701, 0.2735



19.5812, 0.2980, 0.3223



22.0380, 0.1989, 0.2362



2.3293, 0.2022, 0.2480



# Previews

## White Background



This preview shows how the Yxy color 70.0895, 0.3626, 0.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

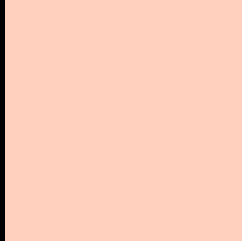
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0895, 0.3626, 0.3477 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 70.0895, 0.3626, 0.3477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0895, 0.3626, 0.3477.

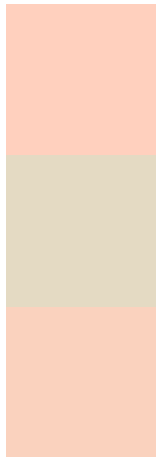


This preview shows how white text looks on a background with the Yxy color 70.0895, 0.3626, 0.3477.

# 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

70.0895, 0.3626, 0.3477

### Protanopia

70.5769, 0.3359, 0.3543

### Deuteranopia

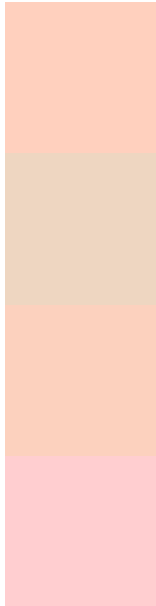
70.1349, 0.3582, 0.3500



## Tritanopia

70.0371, 0.3410, 0.3149

# Trichromacy



**Original Color**

70.0895, 0.3626, 0.3477

**Protanomaly**

70.1205, 0.3457, 0.3516

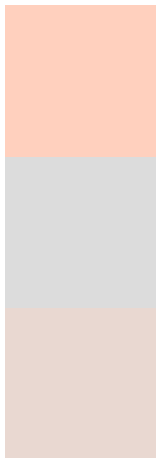
**Deuteranomaly**

70.0141, 0.3600, 0.3489

**Tritanomaly**

69.9567, 0.3492, 0.3271

# Monochromacy



**Original Color**

70.0895, 0.3626, 0.3477

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

71.0388, 0.3301, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0895, 0.3626, 0.3477 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, 208, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 190)  
}
```

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, 208, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0895, 0.3626, 0.3477 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, 208, 190) }
```

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

```
.border{ border-color:rgb(255, 208, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0895, 0.3626, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 190) }
```

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

```
.background{ background-color: rgb(255,  
208, 190) }
```

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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