

# Converting Colors

Yxy(69.5996, 0.3715, 0.3597)

Have a look what the booklet for  
Yxy(69.5996, 0.3715, 0.3597)  
contains.

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# Color

**Yxy(69.5861, 0.3718, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0B2
RGB	255, 208, 178
RGB Percent	100%, 82%, 70%
CMY	0.0001, 0.1843, 0.3019
CMYK	0.00, 0.18, 0.30, 0.00
HSL	23°, 100%, 85%
HSV	23°, 30%, 100%
XYZ	71.8271, 69.5861, 51.7742
YIQ	218.6330, 37.6420, 0.6340

# Conversions

## Conversions Part 2

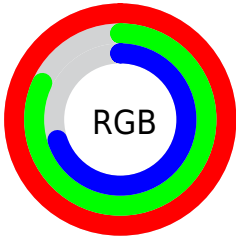
Format	Color
R <sub>Y</sub> B	255, 227, 178
Decimal	16765106
CIE Lab	86.79, 12.35, 21.13
CIE LCh	87, 24.472, 59.684
Yxy	69.5861, 0.3718, 0.3602
Android (android.graphics.Color)	4294955186 (0xFFFFD0B2)
YUV	218.6330, -20.0321, 31.8939
Hunter-Lab	83.4183, 7.7149, 21.5940

# Details

The Yxy color  $69.5861, 0.3718, 0.3602$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $70.5271, 0.2653, 0.2954$ , and the grayscale version is  $70.6943, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7205, 0.3250, 0.3493$ , and  $36.4622, 0.3860, 0.3677$  is the 20% darker color. If you saturate the color by 10%, you get  $61.4387, 0.3978, 0.3709$ , and if you desaturate by 10%, it is  $78.6747, 0.3492, 0.3494$ .

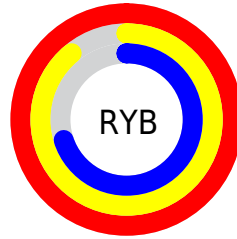
# Distribution



Red (100%)

Green (82%)

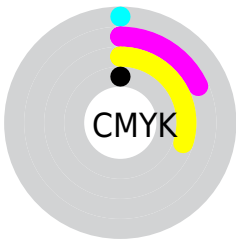
Blue (70%)



Red (100%)

Yellow (89%)

Blue (70%)

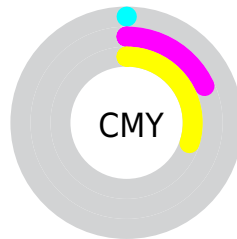


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5861, 0.3718, 0.3602 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 69.5861, 0.3718, 0.3602 by changing the saturation by 10% instead.




 69.5861, 0.3718,  
0.3602

 69.5861, 0.3718,  
0.3602


459.0954, 0.3440,  
0.3463

 51.1892, 0.3782,  
0.3632


 118.6183, 0.3621,  
0.3555

 36.3592, 0.3861,  
0.3668


150.0224, 0.3584,  
0.3536

 24.7117, 0.3962,  
0.3713


186.5310, 0.3551,  
0.3520

 15.8624, 0.4094,  
0.3767

228.5285, 0.3523,  
0.3506

 9.4268, 0.4273,  
0.3836

276.3993, 0.3499,  
0.3493

 5.0206, 0.4527,  
0.3921

330.5278, 0.3477,

 2.2594, 0.4959,

0.3482

0.4058

391.2983, 0.3458,  
0.3472

0.7521, 0.5777,  
0.4223

0.0000, 0.0000,  
0.0000

69.5861, 0.3718,  
0.3602

69.5861, 0.3718,  
0.3602

61.4387, 0.3978,  
0.3709

78.6747, 0.3492,  
0.3494

54.1910, 0.4270,  
0.3808

88.7251, 0.3297,  
0.3390

47.8122, 0.4589,  
0.3890

99.7692, 0.3130,  
0.3292

42.2660, 0.4921,  
0.3940

99.9958, 0.3127,  
0.3290

■ 37.5128, 0.5243,  
0.3947

■ 33.5087, 0.5530,  
0.3901

■ 30.2512, 0.5759,  
0.3810

# Harmonies

## Analogous

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



69.5861, 0.3678, 0.3362



69.5861, 0.3718, 0.3602



69.5861, 0.3592, 0.3776

# Triad

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



69.5861, 0.3718, 0.3602



69.5861, 0.2775, 0.3463



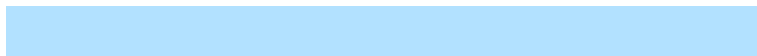
69.5861, 0.2895, 0.2809

# Complementary

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



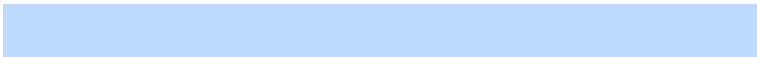
69.5861, 0.3718, 0.3602



70.5271, 0.2653, 0.2954

# 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.



69.5861, 0.2671, 0.2813



69.5861, 0.3718, 0.3602



69.5861, 0.2605, 0.3177

# Square

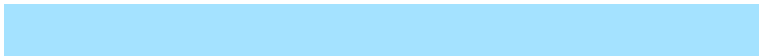
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5861, 0.3718, 0.3602



69.5861, 0.3043, 0.3707



69.5861, 0.2568, 0.2942



69.5861, 0.3191, 0.2919



# Rectangle

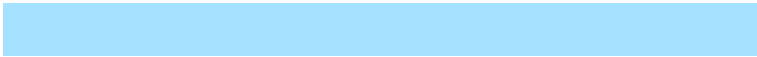
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5861, 0.3718, 0.3602



69.5861, 0.3435, 0.3824



69.5861, 0.2568, 0.2942



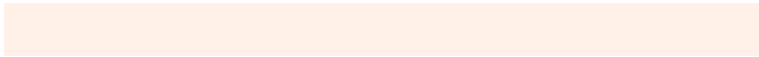
69.5861, 0.2809, 0.2797

# Sweetspot

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



69.5893, 0.3718, 0.3602



89.9965, 0.3276, 0.3378



58.5664, 0.3396, 0.2809



18.9332, 0.3302, 0.3393



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.



69.5893, 0.3718, 0.3602



64.7487, 0.3865, 0.3665



90.3822, 0.3609, 0.3967



19.1481, 0.3285, 0.3383



16.0787, 0.5729, 0.3833

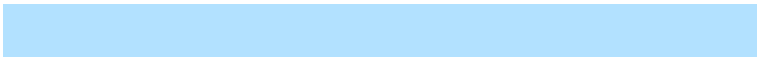


1.7703, 0.5519, 0.4000

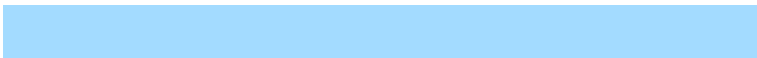


# Inverse Universe

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



70.5271, 0.2653, 0.2954



65.8061, 0.2563, 0.2879



52.2253, 0.2602, 0.2508



19.2230, 0.2979, 0.3195



16.4278, 0.1877, 0.1957



1.8120, 0.1924, 0.2124



# Previews

## White Background



This preview shows how the Yxy color 69.5861, 0.3718, 0.3602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

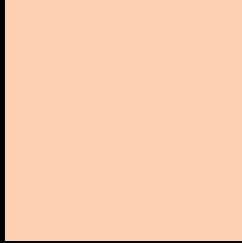
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5861, 0.3718, 0.3602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

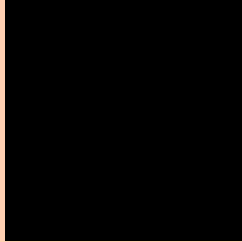
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5861, 0.3718, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5861, 0.3718, 0.3602.



This preview shows how white text looks on a background with the Yxy color 69.5861, 0.3718, 0.3602.

# 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

69.5861, 0.3718, 0.3602

### Protanopia

69.6611, 0.3461, 0.3677

### Deuteranopia

69.5107, 0.3691, 0.3615



## Tritanopia

69.5077, 0.3419, 0.3149

# Trichromacy



## Original Color

69.5861, 0.3718, 0.3602

## Protanomaly

69.6065, 0.3545, 0.3647

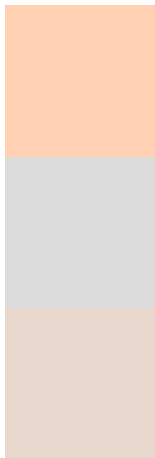
## Deuteranomaly

69.6979, 0.3699, 0.3614

## Tritanomaly

69.2344, 0.3533, 0.3312

# Monochromacy



## Original Color

69.5861, 0.3718, 0.3602

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.1163, 0.3330, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5861, 0.3718, 0.3602 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 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, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5861, 0.3718, 0.3602 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, 178) }
```

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

```
.border{ border-color:rgb(255, 208, 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, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5861, 0.3718, 0.3602 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, 178) }
```

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

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