

# Converting Colors

$Y_{xy}(69.7256, 0.3698, 0.3631)$

Have a look what the booklet for  
Yxy(69.7256, 0.3698, 0.3631)  
contains.

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# Color

**Yxy(69.9630, 0.3696, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCD2B1
RGB	252, 210, 177
RGB Percent	99%, 82%, 69%
CMY	0.0119, 0.1764, 0.3060
CMYK	0.00, 0.17, 0.30, 0.01
HSL	26°, 93%, 84%
HSV	26°, 30%, 99%
XYZ	71.1175, 69.9630, 51.3370
YIQ	218.7960, 35.6250, -1.3590

# Conversions

## Conversions Part 2

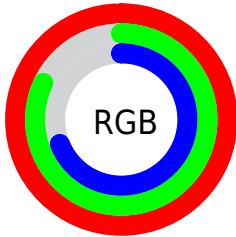
Format	Color
R <sub>Y</sub> B	252, 236, 177
Decimal	16569009
CIE Lab	86.98, 10.05, 21.89
CIE LCh	87, 24.083, 65.336
Yxy	69.9630, 0.3696, 0.3636
Android (android.graphics.Color)	4294759089 (0xFFFC D2B1)
YUV	218.7960, -20.6054, 29.1199
Hunter-Lab	83.6439, 5.3913, 22.1611

# Details

The Yxy color **69.9630, 0.3696, 0.3636** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.9959, 0.2655, 0.2916**, and the grayscale version is **70.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **36.7015, 0.3830, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **62.3956, 0.3944, 0.3756**, and if you desaturate by 10%, it is **78.3354, 0.3478, 0.3515**.

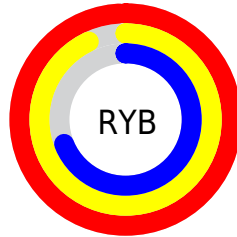
# Distribution



Red (99%)

Green (82%)

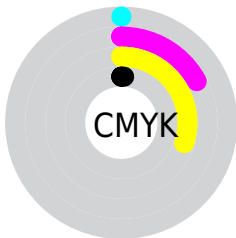
Blue (69%)



Red (99%)

Yellow (93%)

Blue (69%)

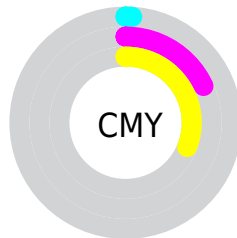


Cyan (0%)

Magenta (17%)

Yellow (30%)

Black (1%)



Cyan (1%)

Magenta (18%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9630, 0.3696, 0.3636 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 69.9630, 0.3696, 0.3636 by changing the saturation by 10% instead.





 69.9630, 0.3696,  
0.3636

 69.9630, 0.3696,  
0.3636

460.4201, 0.3429,  
0.3481

 51.4964, 0.3757,  
0.3670

 119.1560, 0.3603,  
0.3583

 36.6038, 0.3833,  
0.3711


150.6511, 0.3567,  
0.3562

 24.9009, 0.3929,  
0.3762


187.2579, 0.3536,  
0.3544

 16.0032, 0.4055,  
0.3825

229.3607, 0.3509,  
0.3528

 9.5264, 0.4224,  
0.3906

277.3439, 0.3486,  
0.3514

 5.0861, 0.4464,  
0.4009

331.5920, 0.3465,

 2.2979, 0.4878,

0.3502

0.4182

392.4892, 0.3446,  
0.3491

0.7726, 0.5610,  
0.4390

0.0000, 0.0000,  
0.0000

69.9630, 0.3696,  
0.3636

69.9630, 0.3696,  
0.3636

62.3956, 0.3944,  
0.3756

78.3354, 0.3478,  
0.3515

55.5976, 0.4219,  
0.3869

87.5277, 0.3288,  
0.3398

49.5445, 0.4517,  
0.3964

97.5666, 0.3124,  
0.3287

44.2068, 0.4823,  
0.4027

99.4302, 0.3108,  
0.3290

■ 39.5523, 0.5121,  
0.4047

■ 35.5450, 0.5387,  
0.4013

■ 32.1378, 0.5606,  
0.3929

■ 32.0637, 0.5611,  
0.3927

# Harmonies

## Analogous

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



69.9630, 0.3688, 0.3408



69.9630, 0.3696, 0.3636



69.9630, 0.3545, 0.3787

# Triad

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



69.9630, 0.3696, 0.3636



69.9630, 0.2741, 0.3407



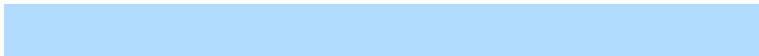
69.9630, 0.2950, 0.2829

# Complementary

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



69.9630, 0.3696, 0.3636



66.9959, 0.2655, 0.2916

# 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.



69.9630, 0.2713, 0.2811



69.9630, 0.3696, 0.3636



69.9630, 0.2597, 0.3129

# Square

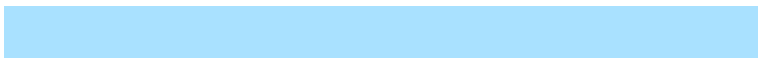
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9630, 0.3696, 0.3636



69.9630, 0.2991, 0.3662



69.9630, 0.2587, 0.2915



69.9630, 0.3246, 0.2956



# Rectangle

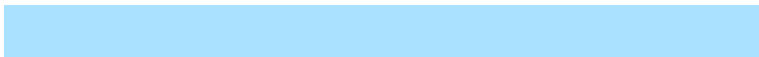
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9630, 0.3696, 0.3636



69.9630, 0.3379, 0.3815



69.9630, 0.2587, 0.2915



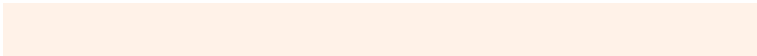
69.9630, 0.2861, 0.2810

# Sweetspot

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



69.9662, 0.3696, 0.3636



90.6898, 0.3274, 0.3389



57.2641, 0.3422, 0.2853



19.1035, 0.3300, 0.3406



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.



69.9662, 0.3696, 0.3636



66.9301, 0.3848, 0.3712



90.3678, 0.3591, 0.3991



18.4838, 0.3283, 0.3395



16.9889, 0.5583, 0.3949

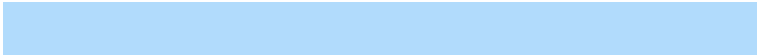


1.7807, 0.5377, 0.4113



# Inverse Universe

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



66.9959, 0.2655, 0.2916



63.4007, 0.2555, 0.2823



49.8163, 0.2606, 0.2477



18.2538, 0.2980, 0.3183



13.8781, 0.1827, 0.1778

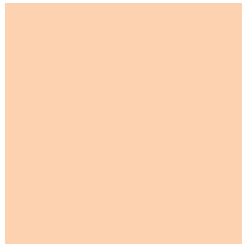


1.4966, 0.1882, 0.1974



# Previews

## White Background



This preview shows how the Yxy color 69.9630, 0.3696, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

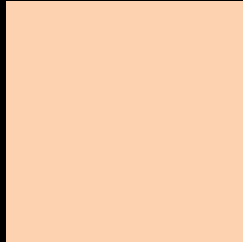
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9630, 0.3696, 0.3636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

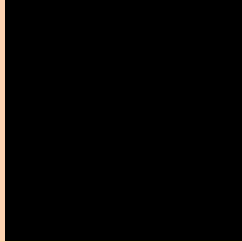
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.9630, 0.3696, 0.3636**

## Background



This preview shows how black text looks on a background with the Yxy color 69.9630, 0.3696, 0.3636.



This preview shows how white text looks on a background with the Yxy color 69.9630, 0.3696, 0.3636.

# 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

69.9630, 0.3696, 0.3636

### Protanopia

70.3020, 0.3473, 0.3697

### Deuteranopia

70.1502, 0.3704, 0.3635



## Tritanopia

70.0900, 0.3403, 0.3139

# Trichromacy



## Original Color

69.9630, 0.3696, 0.3636

## Protanomaly

70.0733, 0.3550, 0.3669

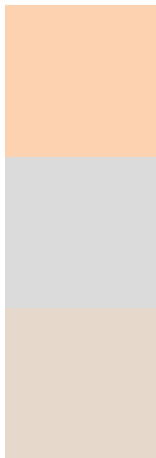
## Deuteranomaly

70.1502, 0.3704, 0.3635

## Tritanomaly

70.0561, 0.3513, 0.3322

# Monochromacy



## Original Color

69.9630, 0.3696, 0.3636

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.4603, 0.3321, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9630, 0.3696, 0.3636 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(252, 210, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 210, 177)  
}
```

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(252, 210, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 210, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9630, 0.3696, 0.3636 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(252, 210, 177) }
```

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

```
.border{ border-color:rgb(252, 210, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 210, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 210, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 210, 177); box-shadow:4px 4px 4px 4px rgb(252, 210, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9630, 0.3696, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 210, 177) }
```

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

```
.background{ background-color: rgb(252,  
210, 177) }
```

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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