

# Converting Colors

$Y_{xy}(69.6715, 0.3505, 0.3439)$

Have a look what the booklet for  
Yxy(69.6715, 0.3505, 0.3439)  
contains.

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# Color

**Yxy(69.6715, 0.3505, 0.3439)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6D2C4
RGB	246, 210, 196
RGB Percent	96%, 82%, 77%
CMY	0.0354, 0.1764, 0.2315
CMYK	0.00, 0.15, 0.20, 0.04
HSL	17°, 73%, 87%
HSV	17°, 20%, 96%
XYZ	71.0086, 69.6715, 61.9122
YIQ	219.1680, 25.9500, 3.2780

# Conversions

## Conversions Part 2

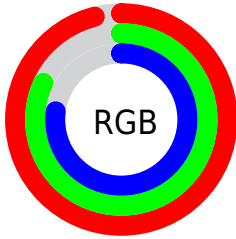
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 215, 196
Decimal	16175812
CIE Lab	86.84, 10.44, 11.61
CIE LCh	87, 15.611, 48.051
Yxy	69.6715, 0.3505, 0.3439
Android (android.graphics.Color)	4294365892 (0xFFFF6D2C4)
YUV	219.1680, -11.4218, 23.5317
Hunter-Lab	83.4695, 5.7808, 14.4512

# Details

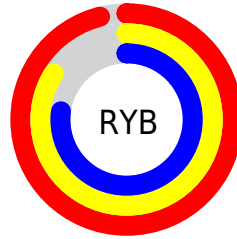
The Yxy color **69.6715, 0.3505, 0.3439** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.0624, 0.2813, 0.3136**, and the grayscale version is **71.0278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **36.5487, 0.3597, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **60.3864, 0.3746, 0.3517**, and if you desaturate by 10%, it is **80.1122, 0.3302, 0.3363**.

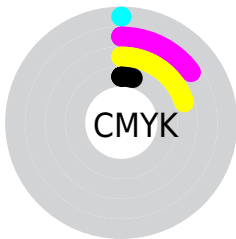
# Distribution



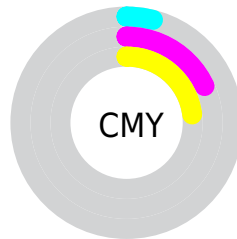
- Red (96%)
- Green (82%)
- Blue (77%)



- Red (96%)
- Yellow (84%)
- Blue (77%)



- Cyan (0%)
- Magenta (15%)
- Yellow (20%)
- Black (4%)




- Cyan (4%)
- Magenta (18%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6715, 0.3505, 0.3439 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 69.6715, 0.3505, 0.3439 by changing the saturation by 10% instead.




 69.6715, 0.3505,  
0.3439

 69.6715, 0.3505,  
0.3439

459.3957, 0.3327,  
0.3372

 51.2588, 0.3546,  
0.3454


118.7402, 0.3443,  
0.3416

 36.4146, 0.3597,  
0.3472


150.1649, 0.3419,  
0.3407

 24.7546, 0.3663,  
0.3494


186.6958, 0.3398,  
0.3400

 15.8943, 0.3749,  
0.3522

228.7171, 0.3380,  
0.3393

 9.4494, 0.3868,  
0.3558

276.6134, 0.3365,  
0.3387

 5.0354, 0.4043,  
0.3607

330.7690, 0.3351,

 2.2681, 0.4320,

0.3381

0.3672

391.5683, 0.3338,  
0.3377

0.7567, 0.5606,  
0.4324

0.0000, 0.0000,  
0.0000

69.6715, 0.3505,  
0.3439

69.6715, 0.3505,  
0.3439

60.3864, 0.3746,  
0.3517

80.1122, 0.3302,  
0.3363

52.2071, 0.4029,  
0.3595

91.7372, 0.3132,  
0.3292

45.0943, 0.4355,  
0.3666

98.3294, 0.3072,  
0.3290

39.0024, 0.4718,  
0.3721

■ 33.8826, 0.5100,  
0.3748

■ 29.6813, 0.5473,  
0.3737

■ 26.3395, 0.5797,  
0.3679

■ 23.8553, 0.6037,  
0.3589

# Harmonies

## Analogous

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



69.6715, 0.3438, 0.3277



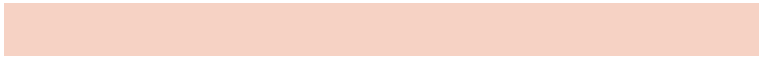
69.6715, 0.3505, 0.3439



69.6715, 0.3466, 0.3568

# Triad

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



69.6715, 0.3505, 0.3439



69.6715, 0.2965, 0.3465



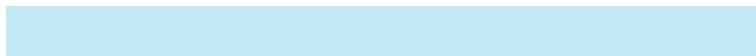
69.6715, 0.2916, 0.2969

# Complementary

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



69.6715, 0.3505, 0.3439



76.0624, 0.2813, 0.3136

# 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.



69.6715, 0.2797, 0.3008



69.6715, 0.3505, 0.3439



69.6715, 0.2824, 0.3291

# Square

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



69.6715, 0.3505, 0.3439



69.6715, 0.3151, 0.3590



69.6715, 0.2764, 0.3123



69.6715, 0.3094, 0.3012

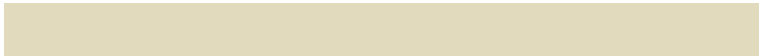


# Rectangle

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



69.6715, 0.3505, 0.3439



69.6715, 0.3387, 0.3617



69.6715, 0.2764, 0.3123



69.6715, 0.2868, 0.2973

# Sweetspot

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



69.6747, 0.3505, 0.3439



92.2328, 0.3225, 0.3332



64.9195, 0.3248, 0.2913



19.5668, 0.3236, 0.3337



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.



69.6747, 0.3505, 0.3439



71.7280, 0.3590, 0.3468



82.5972, 0.3456, 0.3685



17.2401, 0.3287, 0.3357



12.9386, 0.6008, 0.3611



1.3038, 0.5764, 0.3805



# Inverse Universe

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



76.0624, 0.2813, 0.3136



79.7033, 0.2756, 0.3105



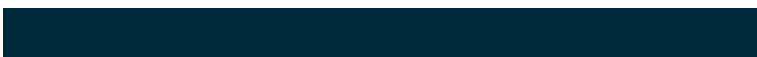
63.3214, 0.2795, 0.2861



17.9251, 0.2980, 0.3222



20.5669, 0.1986, 0.2349

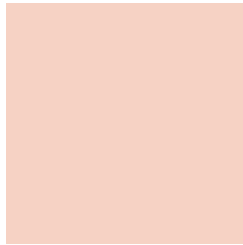


1.9808, 0.2023, 0.2481



# Previews

## White Background



This preview shows how the Yxy color 69.6715, 0.3505, 0.3439 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 69.6715, 0.3505, 0.3439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

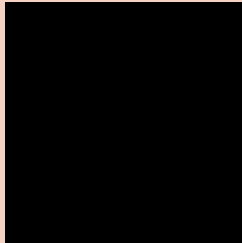
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6715, 0.3505, 0.3439**

## Background



This preview shows how black text looks on a background with the Yxy color 69.6715, 0.3505, 0.3439.



This preview shows how white text looks on a background with the Yxy color 69.6715, 0.3505, 0.3439.

# 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

69.6715, 0.3505, 0.3439

### Protanopia

69.9646, 0.3310, 0.3477

### Deuteranopia

69.8529, 0.3513, 0.3438



## Tritanopia

69.5563, 0.3340, 0.3126

# Trichromacy



**Original Color**

69.6715, 0.3505, 0.3439

**Protanomaly**

69.5403, 0.3375, 0.3453

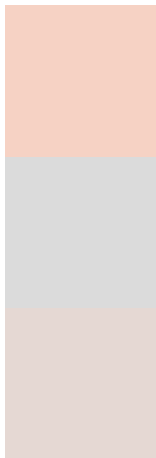
**Deuteranomaly**

69.8529, 0.3513, 0.3438

**Tritanomaly**

69.3862, 0.3398, 0.3229

# Monochromacy



**Original Color**

69.6715, 0.3505, 0.3439

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

70.4729, 0.3257, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6715, 0.3505, 0.3439 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(246, 210, 196)` looks like.

```
.text, #text, p{  
    color:rgb(246, 210, 196)  
}
```

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(246, 210, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 210, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6715, 0.3505, 0.3439 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(246, 210, 196) }
```

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

```
.border{ border-color:rgb(246, 210, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 210, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 210, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 210, 196);  
box-shadow:4px 4px 4px 4px rgb(246, 210,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6715, 0.3505, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 210, 196) }
```

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

```
.background{ background-color: rgb(246,  
210, 196) }
```

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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