

# Converting Colors

$Y_{xy}(75.7622, 0.3787, 0.3343)$

Have a look what the booklet for  
Yxy(75.7622, 0.3787, 0.3343)  
contains.

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# Color

**Yxy(69.5727, 0.3554, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEC8
RGB	255, 206, 200
RGB Percent	100%, 81%, 78%
CMY	0.0000, 0.1922, 0.2157
CMYK	0.00, 0.19, 0.22, 0.00
HSL	7°, 100%, 89%
HSV	7°, 22%, 100%
XYZ	73.7433, 69.5727, 64.1779
YIQ	219.9670, 31.1300, 8.5220

# Conversions

## Conversions Part 2

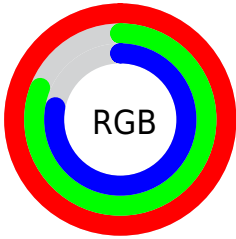
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 200
Decimal	16764616
CIE Lab	86.79, 16.40, 9.53
CIE LCh	87, 18.964, 30.166
Yxy	69.5727, 0.3554, 0.3353
Android (android.graphics.Color)	4294954696 (0xFFFFCEC8)
YUV	219.9670, -9.8437, 30.7239
Hunter-Lab	83.4103, 11.8446, 12.7680

# Details

The Yxy color **69.5727, 0.3554, 0.3353** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.2446, 0.2801, 0.3226**, and the grayscale version is **71.5960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5376, 0.3663, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **58.3179, 0.3826, 0.3384**, and if you desaturate by 10%, it is **82.6019, 0.3332, 0.3323**.

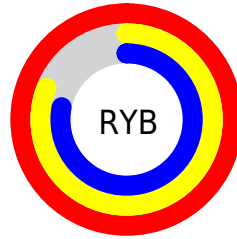
# Distribution



Red (100%)

Green (81%)

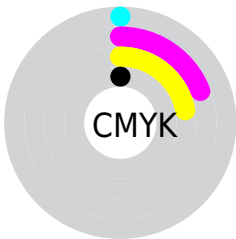
Blue (78%)



Red (100%)

Yellow (81%)

Blue (78%)

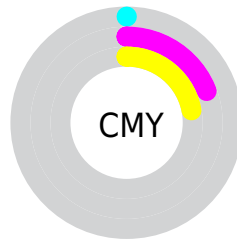


Cyan (0%)

Magenta (19%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5727, 0.3554, 0.3353 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 69.5727, 0.3554, 0.3353 by changing the saturation by 10% instead.




 69.5727, 0.3554,  
0.3353

 69.5727, 0.3554,  
0.3353


459.0483, 0.3353,  
0.3327

 51.1783, 0.3601,  
0.3358


118.5992, 0.3484,  
0.3345

 36.3505, 0.3659,  
0.3364


150.0000, 0.3456,  
0.3341

 24.7050, 0.3733,  
0.3371


186.5051, 0.3433,  
0.3338

 15.8574, 0.3831,  
0.3379

228.4989, 0.3413,  
0.3335

 9.4233, 0.3967,  
0.3387

276.3657, 0.3395,  
0.3333

 5.0183, 0.4165,  
0.3394

330.4899, 0.3380,

 2.2580, 0.4483,

0.3331

0.3393

391.2560, 0.3366,  
0.3329

0.7513, 0.5590,  
0.3669

0.0000, 1.0000,  
0.0000

69.5727, 0.3554,  
0.3353

69.5727, 0.3554,  
0.3353

58.3179, 0.3826,  
0.3384

82.6019, 0.3332,  
0.3323

48.7676, 0.4155,  
0.3415

97.4856, 0.3152,  
0.3294

40.8363, 0.4542,  
0.3441

100.0000, 0.3127,  
0.3290

34.4338, 0.4978,  
0.3457

■ 29.4614, 0.5432,  
0.3457

■ 25.8085, 0.5850,  
0.3437

■ 23.3481, 0.6167,  
0.3396

■ 22.0832, 0.6330,  
0.3356

# Harmonies

## Analogous

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



69.5727, 0.3405, 0.3159



69.5727, 0.3554, 0.3353



69.5727, 0.3584, 0.3539

# Triad

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



69.5727, 0.3554, 0.3353



69.5727, 0.3060, 0.3607



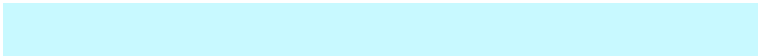
69.5727, 0.2774, 0.2917

# Complementary

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



69.5727, 0.3554, 0.3353



87.2446, 0.2801, 0.3226

# 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.



69.5727, 0.2690, 0.3019



69.5727, 0.3554, 0.3353



69.5727, 0.2851, 0.3421

# Square

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



69.5727, 0.3554, 0.3353



69.5727, 0.3293, 0.3698



69.5727, 0.2718, 0.3202



69.5727, 0.2951, 0.2913



# Rectangle

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



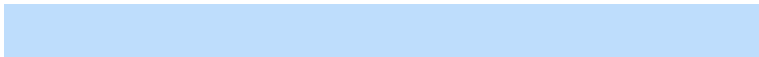
69.5727, 0.3554, 0.3353



69.5727, 0.3531, 0.3635



69.5727, 0.2718, 0.3202



69.5727, 0.2734, 0.2941

# Sweetspot

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



69.5703, 0.3554, 0.3353



90.6638, 0.3227, 0.3307



69.4340, 0.3191, 0.2802



19.1971, 0.3239, 0.3308



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.



69.5703, 0.3554, 0.3353



64.3739, 0.3667, 0.3367



83.7048, 0.3497, 0.3623



18.3062, 0.3292, 0.3317



11.6409, 0.6313, 0.3369



1.2328, 0.6158, 0.3492



# Inverse Universe

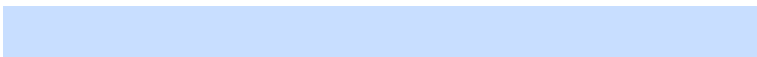
The Inverse Universe completely reimagines the original color for something new.



87.2446, 0.2801, 0.3226



84.9877, 0.2738, 0.3211



71.7367, 0.2780, 0.2933



20.1226, 0.2980, 0.3263



32.6591, 0.2151, 0.2942

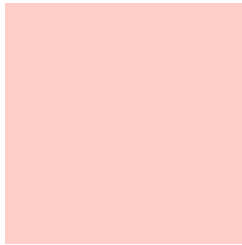


3.2727, 0.2163, 0.2985



# Previews

## White Background



This preview shows how the Yxy color 69.5727, 0.3554, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

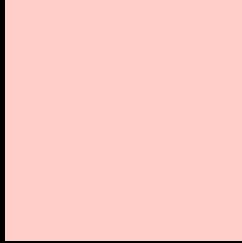
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5727, 0.3554, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

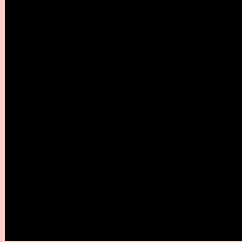
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5727, 0.3554, 0.3353**

## Background



This preview shows how black text looks on a background with the Yxy color 69.5727, 0.3554, 0.3353.

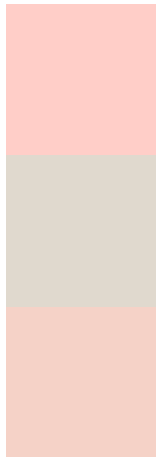


This preview shows how white text looks on a background with the Yxy color 69.5727, 0.3554, 0.3353.

# 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

69.5727, 0.3554, 0.3353

### Protanopia

69.9292, 0.3253, 0.3411

### Deuteranopia

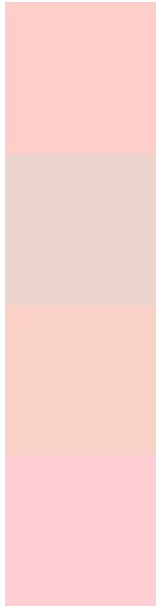
69.6292, 0.3475, 0.3407



## Tritanopia

69.5602, 0.3412, 0.3138

# Trichromacy



## Original Color

69.5727, 0.3554, 0.3353

## Protanomaly

69.6103, 0.3356, 0.3387

## Deuteranomaly

69.8642, 0.3508, 0.3396

## Tritanomaly

69.6761, 0.3463, 0.3220

# Monochromacy



## Original Color

69.5727, 0.3554, 0.3353

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.7286, 0.3274, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5727, 0.3554, 0.3353 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, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 200)  
}
```

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, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5727, 0.3554, 0.3353 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, 206, 200) }
```

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

```
.border{ border-color:rgb(255, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5727, 0.3554, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 200) }
```

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

```
.background{ background-color: rgb(255,  
206, 200) }
```

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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