

# Converting Colors

$Yxy(72.9714, 0.3551, 0.3442)$

Have a look what the booklet for  
Yxy(72.9714, 0.3551, 0.3442)  
contains.

<b>Yxy(72.9257, 0.3554, 0.3445)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.9257, 0.3554, 0.3445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5C6
RGB	255, 213, 198
RGB Percent	100%, 84%, 78%
CMY	0.0000, 0.1647, 0.2236
CMYK	0.00, 0.16, 0.22, 0.00
HSL	16°, 100%, 89%
HSV	16°, 22%, 100%
XYZ	75.2331, 72.9257, 63.5269
YIQ	223.8480, 29.8470, 4.2390

# Conversions

## Conversions Part 2

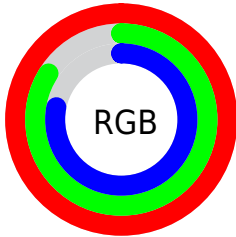
Format	Color
R <sub>Y</sub> B	255, 218, 198
Decimal	16766406
CIE Lab	88.41, 12.46, 12.90
CIE LCh	88, 17.938, 45.989
Yxy	72.9257, 0.3554, 0.3445
Android (android.graphics.Color)	4294956486 (0xFFFFD5C6)
YUV	223.8480, -12.7431, 27.3203
Hunter-Lab	85.3965, 7.8119, 15.6715

# Details

The Yxy color **72.9257, 0.3554, 0.3445** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.5364, 0.2782, 0.3129**, and the grayscale version is **74.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4731, 0.3663, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **62.9353, 0.3806, 0.3519**, and if you desaturate by 10%, it is **84.2052, 0.3342, 0.3373**.

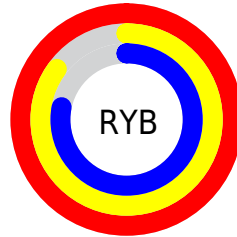
# Distribution



Red (100%)

Green (84%)

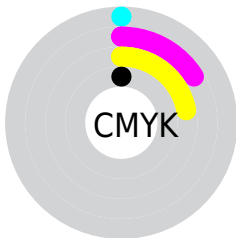
Blue (78%)



Red (100%)

Yellow (85%)

Blue (78%)

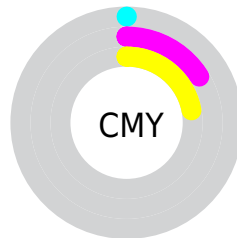


Cyan (0%)

Magenta (16%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9257, 0.3554, 0.3445 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 72.9257, 0.3554, 0.3445 by changing the saturation by 10% instead.




 72.9257, 0.3554,  
0.3445

 72.9257, 0.3554,  
0.3445

470.7573, 0.3355,  
0.3377

 53.9152, 0.3600,  
0.3460


123.3717, 0.3485,  
0.3422

 38.5339, 0.3657,  
0.3477


155.5761, 0.3458,  
0.3413

 26.3973, 0.3729,  
0.3499


192.9471, 0.3435,  
0.3405

 17.1211, 0.3823,  
0.3526

235.8693, 0.3414,  
0.3398

 10.3209, 0.3953,  
0.3560

284.7270, 0.3397,  
0.3392

 5.6122, 0.4139,  
0.3604

339.9047, 0.3381,

 2.6108, 0.4431,

0.3386

0.3660

401.7866, 0.3367,  
0.3381

0.9321, 0.5428,  
0.4082

0.0000, 1.0000,  
0.0000

72.9257, 0.3554,  
0.3445

72.9257, 0.3554,  
0.3445

62.9353, 0.3806,  
0.3519

84.2052, 0.3342,  
0.3373

54.1923, 0.4103,  
0.3591

96.8239, 0.3164,  
0.3305

46.6450, 0.4444,  
0.3655

100.0000, 0.3127,  
0.3290

40.2397, 0.4821,  
0.3701

■ 34.9186, 0.5214,  
0.3718

■ 30.6183, 0.5587,  
0.3695

■ 27.2679, 0.5899,  
0.3627

■ 25.2915, 0.6080,  
0.3555

# Harmonies

## Analogous

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



72.9257, 0.3471, 0.3262



72.9257, 0.3554, 0.3445



72.9257, 0.3518, 0.3596

# Triad

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



72.9257, 0.3554, 0.3445



72.9257, 0.2956, 0.3501



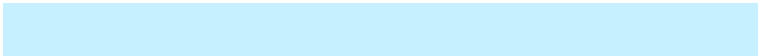
72.9257, 0.2876, 0.2928

# Complementary

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



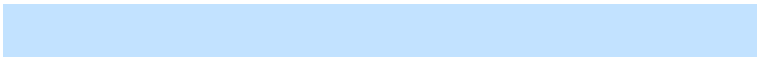
72.9257, 0.3554, 0.3445



81.5364, 0.2782, 0.3129

# 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.



72.9257, 0.2748, 0.2977



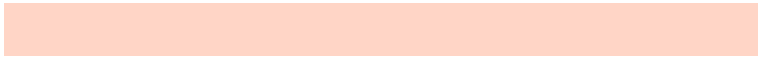
72.9257, 0.3554, 0.3445



72.9257, 0.2793, 0.3304

# Square

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



72.9257, 0.3554, 0.3445



72.9257, 0.3169, 0.3638



72.9257, 0.2719, 0.3112



72.9257, 0.3074, 0.2971



# Rectangle

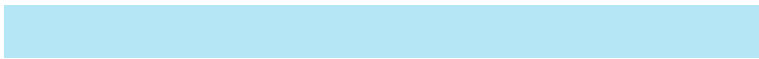
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9257, 0.3554, 0.3445



72.9257, 0.3432, 0.3657



72.9257, 0.2719, 0.3112



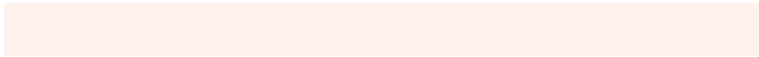
72.9257, 0.2824, 0.2934

# Sweetspot

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



72.9238, 0.3554, 0.3445



90.7983, 0.3243, 0.3336



67.9770, 0.3256, 0.2864



19.2715, 0.3253, 0.3340



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.



72.9238, 0.3554, 0.3445



68.1300, 0.3666, 0.3479



88.0970, 0.3495, 0.3718



18.7647, 0.3288, 0.3353



13.4208, 0.6051, 0.3577

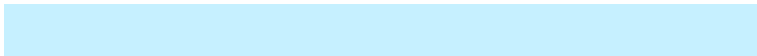


1.4759, 0.5833, 0.3751



# Inverse Universe

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



81.5364, 0.2782, 0.3129



78.1716, 0.2713, 0.3092



66.4301, 0.2759, 0.2822



19.6244, 0.2980, 0.3226



22.7905, 0.2003, 0.2410

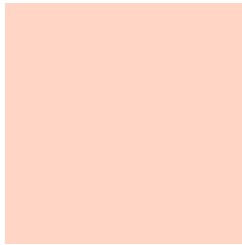


2.3975, 0.2034, 0.2522



# Previews

## White Background



This preview shows how the Yxy color 72.9257, 0.3554, 0.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

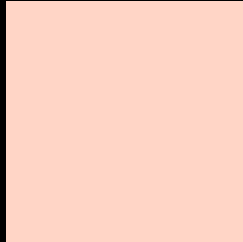
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9257, 0.3554, 0.3445 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 72.9257, 0.3554, 0.3445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9257, 0.3554, 0.3445.



This preview shows how white text looks on a background with the Yxy color 72.9257, 0.3554, 0.3445.

# 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

72.9257, 0.3554, 0.3445

### Protanopia

72.9661, 0.3328, 0.3496

### Deuteranopia

72.8658, 0.3528, 0.3456



## Tritanopia

72.7894, 0.3359, 0.3140

# Trichromacy



## Original Color

72.9257, 0.3554, 0.3445

## Protanomaly

72.8851, 0.3407, 0.3471

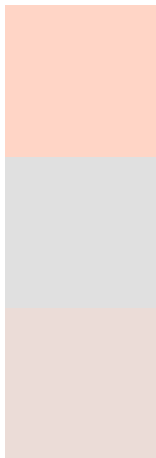
## Deuteranomaly

73.0530, 0.3536, 0.3456

## Tritanomaly

72.7548, 0.3431, 0.3250

# Monochromacy



## Original Color

72.9257, 0.3554, 0.3445

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.7549, 0.3269, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9257, 0.3554, 0.3445 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, 213, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 198)  
}
```

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, 213, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9257, 0.3554, 0.3445 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, 213, 198) }
```

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

```
.border{ border-color:rgb(255, 213, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
198) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.9257, 0.3554, 0.3445$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 198) }
```

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

```
.background{ background-color: rgb(255,  
213, 198) }
```

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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