

# Converting Colors

$Yxy(73.3166, 0.3610, 0.3552)$

Have a look what the booklet for  
Yxy(73.3166, 0.3610, 0.3552)  
contains.

<b>Yxy(73.5350, 0.3616, 0.3558)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.5350, 0.3616, 0.3558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7BD
RGB	255, 215, 189
RGB Percent	100%, 84%, 74%
CMY	0.0000, 0.1569, 0.2588
CMYK	0.00, 0.16, 0.26, 0.00
HSL	24°, 100%, 87%
HSV	24°, 26%, 100%
XYZ	74.7337, 73.5350, 58.4064
YIQ	223.9960, 32.1860, 0.3940

# Conversions

## Conversions Part 2

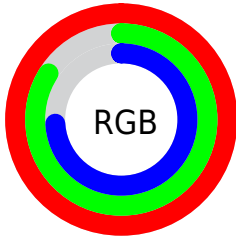
Format	Color
R <sub>YB</sub>	255, 232, 189
Decimal	16766909
CIE Lab	88.70, 10.19, 18.02
CIE LCh	89, 20.698, 60.515
Yxy	73.5350, 0.3616, 0.3558
Android (android.graphics.Color)	4294956989 (0xFFFFD7BD)
YUV	223.9960, -17.2530, 27.1905
Hunter-Lab	85.7526, 5.4966, 19.6441

# Details

The Yxy color **73.5350, 0.3616, 0.3558** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.0898, 0.2720, 0.3005**, and the grayscale version is **74.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **38.7895, 0.3725, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **65.0169, 0.3860, 0.3667**, and if you desaturate by 10%, it is **82.9889, 0.3404, 0.3450**.

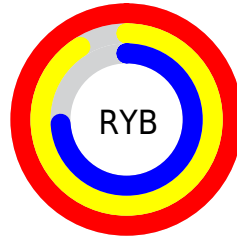
# Distribution



Red (100%)

Green (84%)

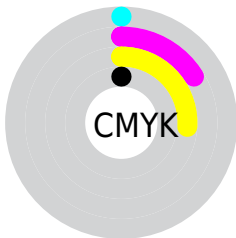
Blue (74%)



Red (100%)

Yellow (91%)

Blue (74%)

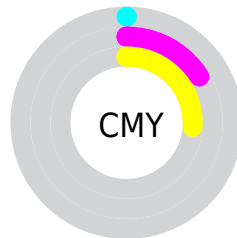


Cyan (0%)

Magenta (16%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5350, 0.3616, 0.3558 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 73.5350, 0.3616, 0.3558 by changing the saturation by 10% instead.




 73.5350, 0.3616,  
0.3558

 73.5350, 0.3616,  
0.3558


472.8669, 0.3389,  
0.3438

 54.4135, 0.3668,  
0.3584


 124.2364, 0.3537,  
0.3517

 38.9324, 0.3732,  
0.3616


156.5852, 0.3506,  
0.3501

 26.7071, 0.3814,  
0.3654


194.1118, 0.3480,  
0.3488

 17.3534, 0.3920,  
0.3703

237.2007, 0.3457,  
0.3475

 10.4868, 0.4064,  
0.3766

286.2363, 0.3437,  
0.3464

 5.7229, 0.4268,  
0.3847

341.6029, 0.3419,

 2.6773, 0.4578,

0.3455

0.3953

403.6850, 0.3403,  
0.3446

0.9657, 0.5556,  
0.4444

0.0000, 1.0000,  
0.0000

73.5350, 0.3616,  
0.3558

73.5350, 0.3616,  
0.3558

65.0169, 0.3860,  
0.3667

82.9889, 0.3404,  
0.3450

57.4082, 0.4138,  
0.3772

93.4121, 0.3222,  
0.3347

50.6750, 0.4445,  
0.3863

100.0000, 0.3127,  
0.3290

44.7824, 0.4772,  
0.3930

■ 39.6929, 0.5099,  
0.3958

■ 35.3651, 0.5403,  
0.3936

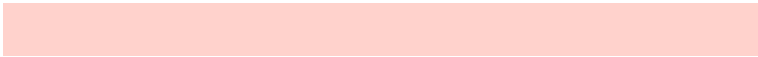
■ 31.7523, 0.5657,  
0.3860

■ 30.4520, 0.5747,  
0.3818

# Harmonies

## Analogous

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



73.5350, 0.3586, 0.3359



73.5350, 0.3616, 0.3558



73.5350, 0.3510, 0.3697

# Triad

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



73.5350, 0.3616, 0.3558



73.5350, 0.2830, 0.3427



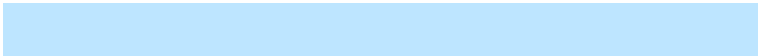
73.5350, 0.2941, 0.2888

# Complementary

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



73.5350, 0.3616, 0.3558



74.0898, 0.2720, 0.3005

# 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.



73.5350, 0.2751, 0.2891



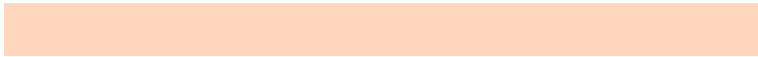
73.5350, 0.3616, 0.3558



73.5350, 0.2689, 0.3192

# Square

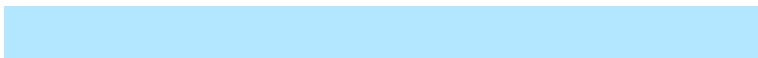
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.5350, 0.3616, 0.3558



73.5350, 0.3052, 0.3629



73.5350, 0.2660, 0.2998



73.5350, 0.3188, 0.2983



# Rectangle

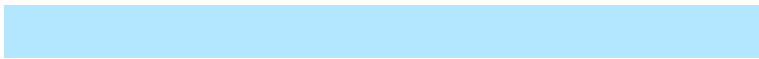
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.5350, 0.3616, 0.3558



73.5350, 0.3379, 0.3732



73.5350, 0.2660, 0.2998



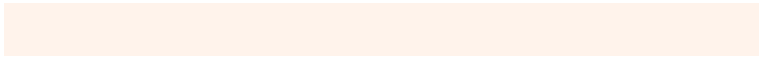
73.5350, 0.2869, 0.2877

# Sweetspot

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



73.5336, 0.3616, 0.3558



91.1164, 0.3258, 0.3369



63.3582, 0.3349, 0.2879



19.1603, 0.3284, 0.3384



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.



73.5336, 0.3616, 0.3558



69.0547, 0.3737, 0.3614



91.6410, 0.3537, 0.3869



19.1603, 0.3284, 0.3384



16.1822, 0.5718, 0.3842

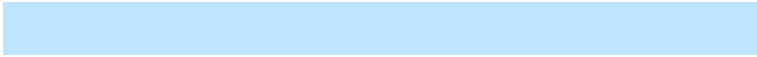


1.7812, 0.5508, 0.4008

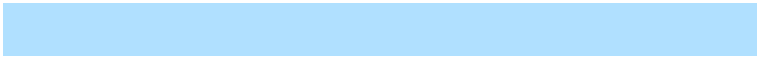


# Inverse Universe

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



74.0898, 0.2720, 0.3005



69.6883, 0.2640, 0.2940



57.8431, 0.2686, 0.2636



19.2105, 0.2979, 0.3194



16.2512, 0.1873, 0.1942

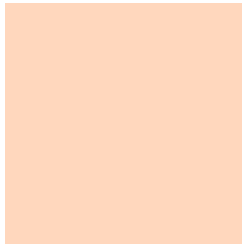


1.7954, 0.1920, 0.2112



# Previews

## White Background



This preview shows how the Yxy color 73.5350, 0.3616, 0.3558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

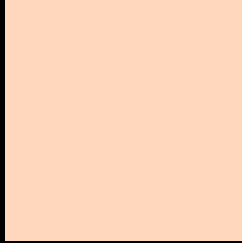
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5350, 0.3616, 0.3558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

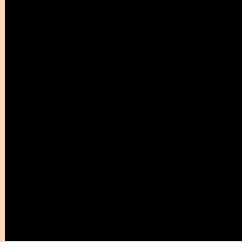
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5350, 0.3616, 0.3558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5350, 0.3616, 0.3558.

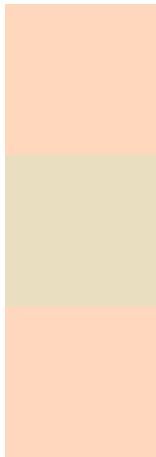


This preview shows how white text looks on a background with the Yxy color 73.5350, 0.3616, 0.3558.

# 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

73.5350, 0.3616, 0.3558

### Protanopia

73.5852, 0.3411, 0.3603

### Deuteranopia

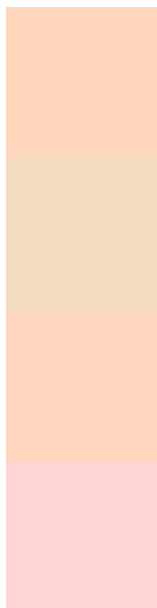
73.6225, 0.3601, 0.3538



## Tritanopia

73.3395, 0.3350, 0.3140

# Trichromacy



## Original Color

73.5350, 0.3616, 0.3558

## Protanomaly

73.3461, 0.3485, 0.3577

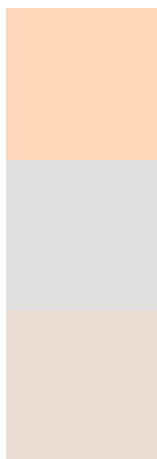
## Deuteranomaly

73.5786, 0.3608, 0.3548

## Tritanomaly

73.1511, 0.3444, 0.3281

# Monochromacy



## Original Color

73.5350, 0.3616, 0.3558

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.0782, 0.3296, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5350, 0.3616, 0.3558 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, 215, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 189)  
}
```

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, 215, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5350, 0.3616, 0.3558 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, 215, 189) }
```

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

```
.border{ border-color:rgb(255, 215, 189) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5350, 0.3616, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 189) }
```

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

```
.background{ background-color: rgb(255,  
215, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor