

# Converting Colors

$Y_{xy}(119.9675, 0.4690, 0.3477)$

Have a look what the booklet for  
Yxy(119.9675, 0.4690, 0.3477)  
contains.

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# Color

**Yxy(75.6407, 0.3599, 0.3588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBBE
RGB	255, 219, 190
RGB Percent	100%, 86%, 75%
CMY	0.0000, 0.1412, 0.2550
CMYK	0.00, 0.14, 0.25, 0.00
HSL	27°, 100%, 87%
HSV	27°, 25%, 100%
XYZ	75.8726, 75.6407, 59.3025
YIQ	226.4580, 30.7650, -1.3870

# Conversions

## Conversions Part 2

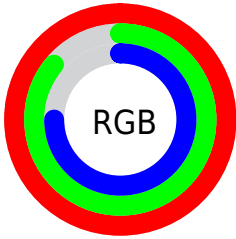
Format	Color
R <sub>Y</sub> B	255, 242, 190
Decimal	16767934
CIE Lab	89.69, 8.25, 18.90
CIE LCh	90, 20.621, 66.408
Yxy	75.6407, 0.3599, 0.3588
Android (android.graphics.Color)	4294958014 (0xFFFFDBBE)
YUV	226.4580, -17.9738, 25.0313
Hunter-Lab	86.9717, 3.5200, 20.4527

# Details

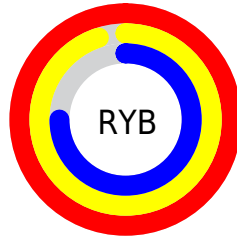
The Yxy color **75.6407, 0.3599, 0.3588** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.5467, 0.2723, 0.2972**, and the grayscale version is **76.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **40.3628, 0.3710, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **67.5613, 0.3833, 0.3711**, and if you desaturate by 10%, it is **84.5344, 0.3393, 0.3467**.

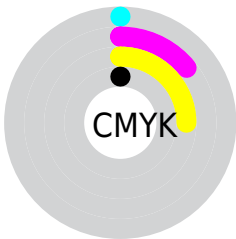
# Distribution



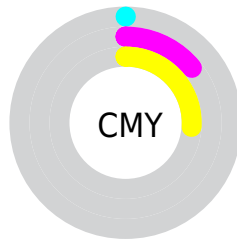
- Red (100%)
- Green (86%)
- Blue (75%)



- Red (100%)
- Yellow (95%)
- Blue (75%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6407, 0.3599, 0.3588 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 75.6407, 0.3599, 0.3588 by changing the saturation by 10% instead.





 75.6407, 0.3599,  
0.3588

 75.6407, 0.3599,  
0.3588


480.1169, 0.3381,  
0.3455

 56.1379, 0.3649,  
0.3617


 127.2189, 0.3524,  
0.3543

 40.3135, 0.3710,  
0.3653


160.0631, 0.3494,  
0.3525

 27.7831, 0.3787,  
0.3696


198.1232, 0.3469,  
0.3509

 18.1622, 0.3886,  
0.3751

241.7837, 0.3447,  
0.3496

 11.0665, 0.4021,  
0.3822

291.4289, 0.3427,  
0.3484

 6.1116, 0.4210,  
0.3917

347.4433, 0.3410,

 2.9131, 0.4494,

0.3473

0.4042

410.2111, 0.3395,  
0.3463

■ 1.0865, 0.5411,  
0.4589

■ 0.0000, 1.0000,  
0.0000

■ 75.6407, 0.3599,  
0.3588

■ 75.6407, 0.3599,  
0.3588

■ 67.5613, 0.3833,  
0.3711

■ 84.5344, 0.3393,  
0.3467

■ 60.2792, 0.4096,  
0.3829

■ 94.2752, 0.3215,  
0.3351

■ 53.7643, 0.4383,  
0.3935

100.0000, 0.3127,  
0.3290

■ 47.9877, 0.4686,  
0.4014

■ 42.9180, 0.4987,  
0.4056

■ 38.5208, 0.5267,  
0.4046

■ 34.7565, 0.5503,  
0.3981

■ 33.2504, 0.5596,  
0.3939

# Harmonies

## Analogous

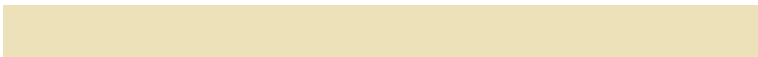
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6407, 0.3597, 0.3399



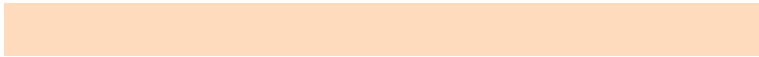
75.6407, 0.3599, 0.3588



75.6407, 0.3471, 0.3707

# Triad

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



75.6407, 0.3599, 0.3588



75.6407, 0.2798, 0.3380



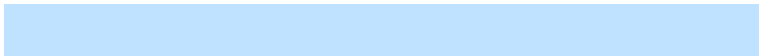
75.6407, 0.2989, 0.2904

# Complementary

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



75.6407, 0.3599, 0.3588



72.5467, 0.2723, 0.2972

# 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.



75.6407, 0.2786, 0.2887



75.6407, 0.3599, 0.3588



75.6407, 0.2679, 0.3151

# Square

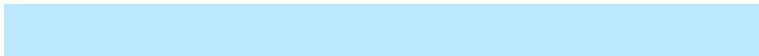
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6407, 0.3599, 0.3588



75.6407, 0.3006, 0.3591



75.6407, 0.2675, 0.2973



75.6407, 0.3237, 0.3015



# Rectangle

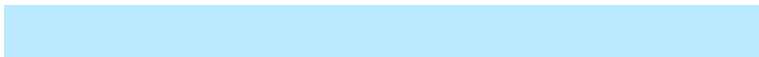
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6407, 0.3599, 0.3588



75.6407, 0.3331, 0.3725



75.6407, 0.2675, 0.2973



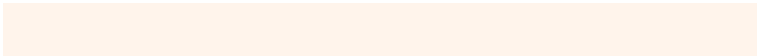
75.6407, 0.2913, 0.2887

# Sweetspot

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



75.6379, 0.3599, 0.3588



91.7586, 0.3257, 0.3379



63.6135, 0.3370, 0.2917



19.3216, 0.3283, 0.3396



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.



75.6379, 0.3599, 0.3588



71.0951, 0.3724, 0.3656



93.7621, 0.3524, 0.3890



19.3216, 0.3283, 0.3396



17.6615, 0.5568, 0.3961

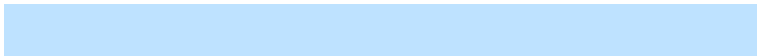


1.9337, 0.5373, 0.4116



# Inverse Universe

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



72.5467, 0.2723, 0.2972



67.4842, 0.2634, 0.2892



56.8870, 0.2690, 0.2609



19.0457, 0.2979, 0.3181



14.0595, 0.1822, 0.1757



1.5871, 0.1874, 0.1946



# Previews

## White Background



This preview shows how the Yxy color 75.6407, 0.3599, 0.3588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

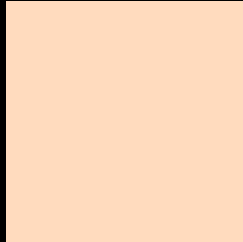
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6407, 0.3599, 0.3588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

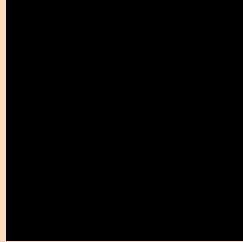
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6407, 0.3599, 0.3588**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6407, 0.3599, 0.3588.

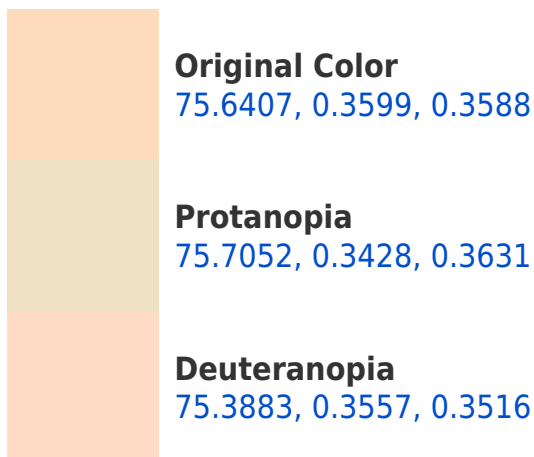


This preview shows how white text looks on a background with the Yxy color 75.6407, 0.3599, 0.3588.

# 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

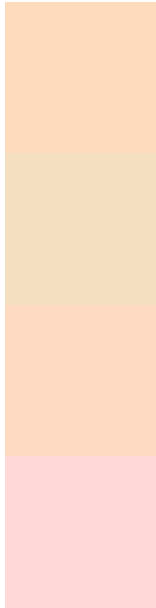




## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



**Original Color**

75.6407, 0.3599, 0.3588

**Protanomaly**

75.8142, 0.3492, 0.3616

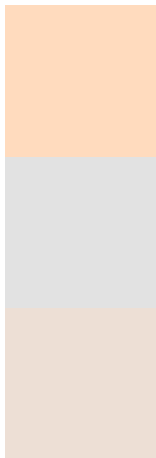
**Deuteranomaly**

75.2978, 0.3572, 0.3537

**Tritanomaly**

75.2780, 0.3423, 0.3301

# Monochromacy



**Original Color**

75.6407, 0.3599, 0.3588

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

75.5840, 0.3294, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6407, 0.3599, 0.3588 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, 219, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 190)  
}
```

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, 219, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6407, 0.3599, 0.3588 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, 219, 190) }
```

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

```
.border{ border-color:rgb(255, 219, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6407, 0.3599, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 190) }
```

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

```
.background{ background-color: rgb(255,  
219, 190) }
```

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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