

# Converting Colors

$Y_{xy}(109.6146, 0.4972, 0.3549)$

Have a look what the booklet for  
Yxy(109.6146, 0.4972, 0.3549)  
contains.

<b>Yxy(65.5365, 0.3891, 0.3729)</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(65.5365, 0.3891, 0.3729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC99F
RGB	255, 201, 159
RGB Percent	100%, 79%, 62%
CMY	0.0000, 0.2117, 0.3766
CMYK	0.00, 0.21, 0.38, 0.00
HSL	26°, 100%, 81%
HSV	26°, 38%, 100%
XYZ	68.3836, 65.5365, 41.8281
YIQ	212.3580, 45.6660, -1.6140

# Conversions

## Conversions Part 2

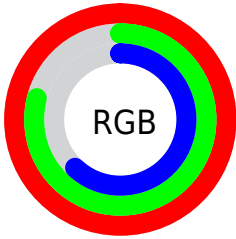
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 234, 159
Decimal	16763295
CIE <sub>Lab</sub>	84.76, 13.72, 28.33
CIE <sub>LCh</sub>	85, 31.482, 64.158
Yxy	65.5365, 0.3891, 0.3729
Android (android.graphics.Color)	4294953375 (0xFFFFC99F)
<b>YUV</b>	212.3580, -26.3055, 37.3970
Hunter-Lab	80.9546, 9.1111, 26.0340

# Details

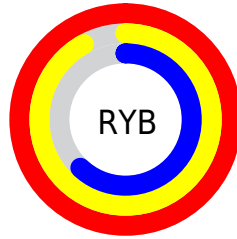
The Yxy color **65.5365, 0.3891, 0.3729** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.1525, 0.2529, 0.2801**, and the grayscale version is **66.2435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **33.7993, 0.4083, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **58.3673, 0.4162, 0.3843**, and if you desaturate by 10%, it is **73.5158, 0.3649, 0.3609**.

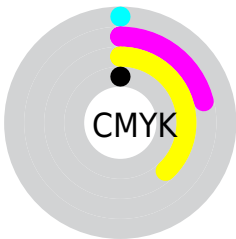
# Distribution



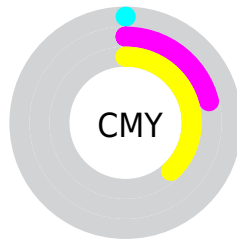
- Red (100%)
- Green (79%)
- Blue (62%)



- Red (100%)
- Yellow (92%)
- Blue (62%)



- Cyan (0%)
- Magenta (21%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5365, 0.3891, 0.3729 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 65.5365, 0.3891, 0.3729 by changing the saturation by 10% instead.



 65.5365, 0.3891,  
0.3729

 65.5365, 0.3891,  
0.3729

444.7174, 0.3530,  
0.3534

 47.8962, 0.3974,  
0.3771


 112.8208, 0.3765,  
0.3663

 33.7447, 0.4078,  
0.3820


 143.2337, 0.3716,  
0.3637

 22.6976, 0.4208,  
0.3880


178.6729, 0.3674,  
0.3614

 14.3703, 0.4378,  
0.3952

219.5228, 0.3637,  
0.3594

 8.3787, 0.4605,  
0.4036

266.1678, 0.3605,  
0.3577

 4.3382, 0.4917,  
0.4128


318.9923, 0.3577,

 1.8645, 0.5609,


0.3561


0.4391

378.3807, 0.3552,  
0.3547


 0.5269, 0.6133,  
0.3867

 0.0000, 0.0000,  
0.0000

 65.5365, 0.3891,  
0.3729

 65.5365, 0.3891,  
0.3729

 58.3673, 0.4162,  
0.3843


 73.5158, 0.3649,  
0.3609

 51.9745, 0.4457,  
0.3942

 82.3264, 0.3436,  
0.3489

 46.3295, 0.4764,  
0.4013

 91.9954, 0.3251,  
0.3374

 41.3994, 0.5067,  
0.4042

100.0000, 0.3127,  
0.3290

■ 37.1480, 0.5343,  
0.4019

■ 33.5323, 0.5572,  
0.3941

■ 32.7688, 0.5621,  
0.3919

# Harmonies

## Analogous

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



65.5365, 0.3875, 0.3423



65.5365, 0.3891, 0.3729



65.5365, 0.3692, 0.3946

# Triad

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



65.5365, 0.3891, 0.3729



65.5365, 0.2625, 0.3459



65.5365, 0.2874, 0.2683

# Complementary

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



65.5365, 0.3891, 0.3729



62.1525, 0.2529, 0.2801

# 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.



65.5365, 0.2569, 0.2661



65.5365, 0.3891, 0.3729



65.5365, 0.2432, 0.3081

# Square

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



65.5365, 0.3891, 0.3729



65.5365, 0.2955, 0.3807



65.5365, 0.2414, 0.2796



65.5365, 0.3267, 0.2844



# Rectangle

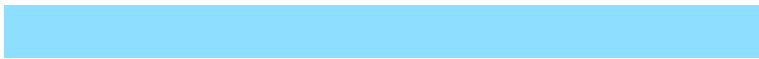
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5365, 0.3891, 0.3729



65.5365, 0.3471, 0.3998



65.5365, 0.2414, 0.2796



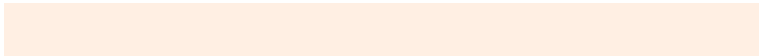
65.5365, 0.2759, 0.2659

# Sweetspot

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



65.5384, 0.3891, 0.3729



88.6712, 0.3310, 0.3411



50.8665, 0.3529, 0.2733



18.6962, 0.3335, 0.3427



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.



65.5384, 0.3891, 0.3729



60.1992, 0.4087, 0.3814



91.2646, 0.3716, 0.4174



19.2955, 0.3283, 0.3394



17.4075, 0.5592, 0.3942

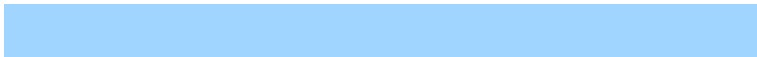


1.9079, 0.5395, 0.4099



# Inverse Universe

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



62.1525, 0.2529, 0.2801



56.3663, 0.2415, 0.2686



41.6287, 0.2443, 0.2218



19.0722, 0.2979, 0.3183



14.3970, 0.1830, 0.1787



1.6194, 0.1881, 0.1973



# Previews

## White Background



This preview shows how the Yxy color 65.5365, 0.3891, 0.3729 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 65.5365, 0.3891, 0.3729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

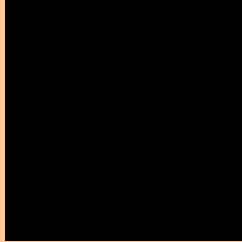
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.5365, 0.3891, 0.3729**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5365, 0.3891, 0.3729.



This preview shows how white text looks on a background with the Yxy color 65.5365, 0.3891, 0.3729.

# 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

65.5365, 0.3891, 0.3729

### Protanopia

65.9361, 0.3579, 0.3830

### Deuteranopia

65.5391, 0.3842, 0.3756



## Tritanopia

65.3433, 0.3503, 0.3158

# Trichromacy



**Original Color**

65.5365, 0.3891, 0.3729

**Protanomaly**

65.7249, 0.3695, 0.3794

**Deuteranomaly**

65.4397, 0.3862, 0.3743

**Tritanomaly**

65.4098, 0.3643, 0.3364

# Monochromacy



**Original Color**

65.5365, 0.3891, 0.3729

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

65.4560, 0.3390, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5365, 0.3891, 0.3729 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, 201, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 159)  
}
```

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, 201, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5365, 0.3891, 0.3729 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, 201, 159) }
```

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

```
.border{ border-color:rgb(255, 201, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5365, 0.3891, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 159) }
```

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

```
.background{ background-color: rgb(255,  
201, 159) }
```

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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