

# Converting Colors

$Y_{xy}(73.4075, 0.3945, 0.3678)$

Have a look what the booklet for  
Yxy(73.4075, 0.3945, 0.3678)  
contains.

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# Color

**Yxy(69.2363, 0.3787, 0.3695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0A9
RGB	255, 208, 169
RGB Percent	100%, 82%, 66%
CMY	0.0000, 0.1843, 0.3371
CMYK	0.00, 0.18, 0.34, 0.00
HSL	27°, 100%, 83%
HSV	27°, 34%, 100%
XYZ	70.9602, 69.2363, 47.1819
YIQ	217.6070, 40.5310, -2.1650

# Conversions

## Conversions Part 2

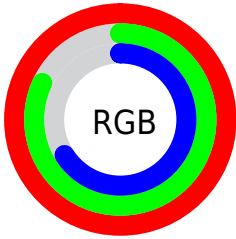
Format	Color
R <sub>Y</sub> B	255, 240, 169
Decimal	16765097
CIE Lab	86.62, 11.26, 25.59
CIE LCh	87, 27.954, 66.253
Yxy	69.2363, 0.3787, 0.3695
Android (android.graphics.Color)	4294955177 (0xFFFFD0A9)
YUV	217.6070, -23.9633, 32.7937
Hunter-Lab	83.2084, 6.6104, 24.6265

# Details

The Yxy color  $69.2363, 0.3787, 0.3695$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $64.7927, 0.2590, 0.2844$ , and the grayscale version is  $69.9774, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.1618, 0.3310, 0.3592$ , and  $36.2659, 0.3941, 0.3782$  is the 20% darker color. If you saturate the color by 10%, you get  $61.8704, 0.4043, 0.3817$ , and if you desaturate by 10%, it is  $77.3931, 0.3559, 0.3570$ .

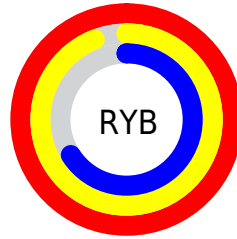
# Distribution



Red (100%)

Green (82%)

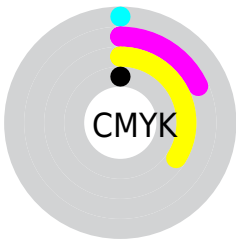
Blue (66%)



Red (100%)

Yellow (94%)

Blue (66%)

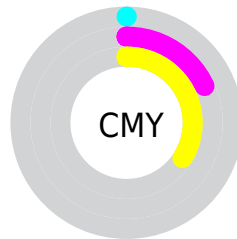


Cyan (0%)

Magenta (18%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2363, 0.3787, 0.3695 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 69.2363, 0.3787, 0.3695 by changing the saturation by 10% instead.





 69.2363, 0.3787,  
0.3695

 69.2363, 0.3787,  
0.3695


457.8639, 0.3478,  
0.3514

 50.9042, 0.3858,  
0.3734


 118.1190, 0.3679,  
0.3634

 36.1324, 0.3946,  
0.3781


149.4384, 0.3637,  
0.3610

 24.5364, 0.4056,  
0.3839


185.8557, 0.3602,  
0.3588

 15.7320, 0.4200,  
0.3909

227.7552, 0.3570,  
0.3570

 9.3347, 0.4393,  
0.3997

275.5214, 0.3543,  
0.3554

 4.9601, 0.4661,  
0.4102


329.5387, 0.3519,

 2.2239, 0.5220,

0.3539


0.4359


390.1914, 0.3497,  
0.3526


 0.7330, 0.5717,  
0.4283


 0.0000, 0.0000,  
0.0000


 69.2363, 0.3787,  
0.3695


 69.2363, 0.3787,  
0.3695


 61.8704, 0.4043,  
0.3817


 77.3931, 0.3559,  
0.3570

 55.2595, 0.4324,  
0.3927

 86.3558, 0.3359,  
0.3448

 49.3789, 0.4622,  
0.4014

 96.1513, 0.3185,  
0.3331

 44.1983, 0.4922,  
0.4064

99.9997, 0.3127,  
0.3290

■ 39.6847, 0.5203,  
0.4066

■ 35.8006, 0.5445,  
0.4012

■ 33.6532, 0.5575,  
0.3955

# Harmonies

## Analogous

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



69.2363, 0.3786, 0.3431



69.2363, 0.3787, 0.3695



69.2363, 0.3604, 0.3871

# Triad

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



69.2363, 0.3787, 0.3695



69.2363, 0.2672, 0.3415



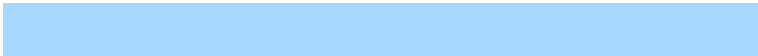
69.2363, 0.2930, 0.2761

# Complementary

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



69.2363, 0.3787, 0.3695



64.7927, 0.2590, 0.2844

# 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.



69.2363, 0.2653, 0.2735



69.2363, 0.3787, 0.3695



69.2363, 0.2511, 0.3090

# Square

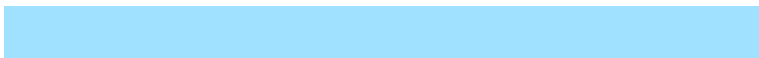
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2363, 0.3787, 0.3695



69.2363, 0.2956, 0.3719



69.2363, 0.2505, 0.2847



69.2363, 0.3275, 0.2911



# Rectangle

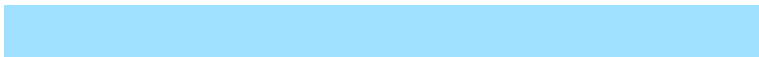
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2363, 0.3787, 0.3695



69.2363, 0.3408, 0.3904



69.2363, 0.2505, 0.2847



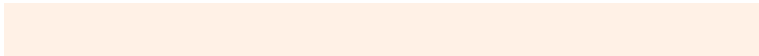
69.2363, 0.2826, 0.2738

# Sweetspot

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



69.2395, 0.3787, 0.3695



89.8899, 0.3292, 0.3404



54.6272, 0.3487, 0.2806



18.9506, 0.3317, 0.3420



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.



69.2395, 0.3787, 0.3695



64.5132, 0.3945, 0.3772



92.9336, 0.3650, 0.4096



19.3431, 0.3283, 0.3398



17.8740, 0.5548, 0.3977

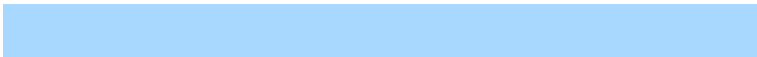


1.9552, 0.5355, 0.4130

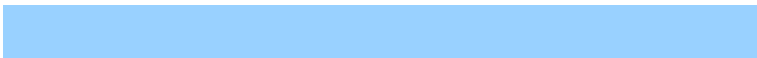


# Inverse Universe

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



64.7927, 0.2590, 0.2844



59.4799, 0.2489, 0.2745



45.6792, 0.2523, 0.2331



19.0240, 0.2979, 0.3180



13.7877, 0.1815, 0.1733



1.5609, 0.1868, 0.1925



# Previews

## White Background



This preview shows how the Yxy color 69.2363, 0.3787, 0.3695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

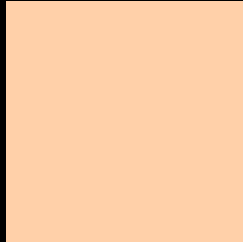
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2363, 0.3787, 0.3695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

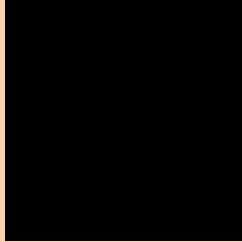
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.2363, 0.3787, 0.3695**

## Background



This preview shows how black text looks on a background with the Yxy color 69.2363, 0.3787, 0.3695.



This preview shows how white text looks on a background with the Yxy color 69.2363, 0.3787, 0.3695.

# 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

69.2363, 0.3787, 0.3695

### Protanopia

69.6318, 0.3540, 0.3775

### Deuteranopia

69.0472, 0.3779, 0.3697



## Tritanopia

69.4555, 0.3427, 0.3159

# Trichromacy



## Original Color

69.2363, 0.3787, 0.3695

## Protanomaly

69.5970, 0.3626, 0.3743

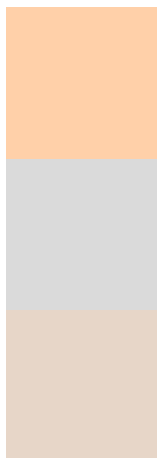
## Deuteranomaly

69.0472, 0.3779, 0.3697

## Tritanomaly

69.0928, 0.3556, 0.3343

# Monochromacy



## Original Color

69.2363, 0.3787, 0.3695

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.2522, 0.3352, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2363, 0.3787, 0.3695 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, 208, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 169)  
}
```

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, 208, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2363, 0.3787, 0.3695 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, 208, 169) }
```

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

```
.border{ border-color:rgb(255, 208, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2363, 0.3787, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 169) }
```

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

```
.background{ background-color: rgb(255,  
208, 169) }
```

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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