

# Converting Colors

$Y_{xy}(104.3564, 0.4724, 0.3575)$

Have a look what the booklet for  
Yxy(104.3564, 0.4724, 0.3575)  
contains.

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# Color

**Yxy(70.1432, 0.3796, 0.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2A7
RGB	255, 210, 167
RGB Percent	100%, 82%, 65%
CMY	0.0000, 0.1765, 0.3451
CMYK	0.00, 0.18, 0.35, 0.00
HSL	29°, 100%, 83%
HSV	29°, 35%, 100%
XYZ	71.2697, 70.1432, 46.3366
YIQ	218.5530, 40.6230, -3.8330

# Conversions

## Conversions Part 2

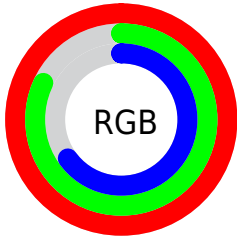
Format	Color
R <sub>Y</sub> B	255, 251, 167
Decimal	16765607
CIE Lab	87.07, 9.99, 27.27
CIE LCh	87, 29.039, 69.873
Yxy	70.1432, 0.3796, 0.3736
Android (android.graphics.Color)	4294955687 (0xFFFFD2A7)
YUV	218.5530, -25.4156, 31.9640
Hunter-Lab	83.7515, 5.3322, 25.8232

# Details

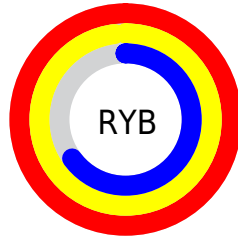
The Yxy color **70.1432, 0.3796, 0.3736** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.5195, 0.2572, 0.2795**, and the grayscale version is **70.6669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **36.8851, 0.3950, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **63.1097, 0.4046, 0.3866**, and if you desaturate by 10%, it is **77.8815, 0.3571, 0.3602**.

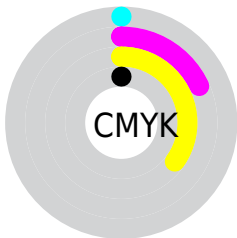
# Distribution



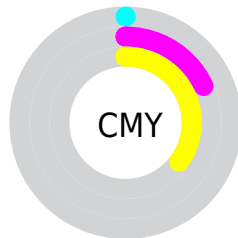
- Red (100%)
- Green (82%)
- Blue (65%)



- Red (100%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (18%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1432, 0.3796, 0.3736 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 70.1432, 0.3796, 0.3736 by changing the saturation by 10% instead.




 70.1432, 0.3796,  
0.3736


 70.1432, 0.3796,  
0.3736


461.0526, 0.3484,  
0.3536

 51.6433, 0.3867,  
0.3779


 119.4129, 0.3688,  
0.3668

 36.7208, 0.3955,  
0.3831


 150.9516, 0.3645,  
0.3642

 24.9914, 0.4065,  
0.3895


187.6052, 0.3609,  
0.3618

 16.0707, 0.4208,  
0.3973

229.7583, 0.3578,  
0.3598

 9.5742, 0.4397,  
0.4070

277.7952, 0.3550,  
0.3580

 5.1175, 0.4658,  
0.4187

332.1003, 0.3525,

 2.3164, 0.5223,

0.3564

0.4484

393.0580, 0.3503,  
0.3549

0.7824, 0.5601,  
0.4399

0.0000, 0.0000,  
0.0000

70.1432, 0.3796,  
0.3736

70.1432, 0.3796,  
0.3736

63.1097, 0.4046,  
0.3866

77.8815, 0.3571,  
0.3602

56.7664, 0.4316,  
0.3983

86.3554, 0.3372,  
0.3470

51.0852, 0.4599,  
0.4076

95.5830, 0.3198,  
0.3344

46.0390, 0.4880,  
0.4131

100.0000, 0.3127,  
0.3290

■ 41.5980, 0.5141,  
0.4136

■ 37.7279, 0.5364,  
0.4085

■ 35.8263, 0.5470,  
0.4039

# Harmonies

## Analogous

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



70.1432, 0.3820, 0.3470



70.1432, 0.3796, 0.3736



70.1432, 0.3587, 0.3903

# Triad

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



70.1432, 0.3796, 0.3736



70.1432, 0.2629, 0.3377



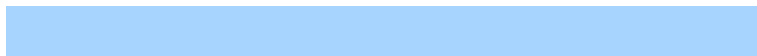
70.1432, 0.2964, 0.2757

# Complementary

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



70.1432, 0.3796, 0.3736



62.5195, 0.2572, 0.2795

# 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.



70.1432, 0.2666, 0.2712



70.1432, 0.3796, 0.3736



70.1432, 0.2481, 0.3046

# Square

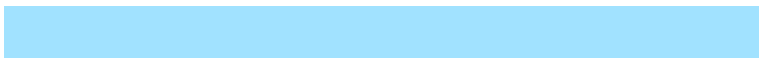
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1432, 0.3796, 0.3736



70.1432, 0.2910, 0.3702



70.1432, 0.2495, 0.2810



70.1432, 0.3323, 0.2924



# Rectangle

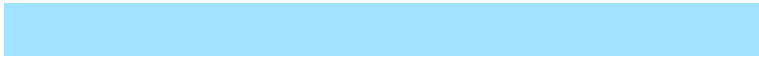
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1432, 0.3796, 0.3736



70.1432, 0.3376, 0.3923



70.1432, 0.2495, 0.2810



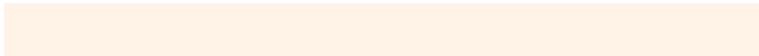
70.1432, 0.2854, 0.2727

# Sweetspot

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



70.1403, 0.3796, 0.3736



90.4256, 0.3291, 0.3413



53.6709, 0.3525, 0.2823



19.0800, 0.3315, 0.3430



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.



70.1403, 0.3796, 0.3736



65.5003, 0.3955, 0.3821



94.6374, 0.3654, 0.4140



19.4525, 0.3282, 0.3406



19.0168, 0.5444, 0.4059

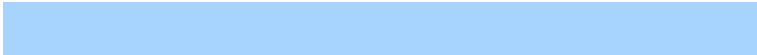


2.0695, 0.5264, 0.4203

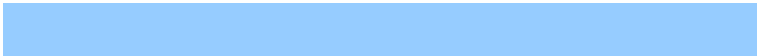


# Inverse Universe

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



62.5195, 0.2572, 0.2795



56.8915, 0.2466, 0.2683



43.6091, 0.2501, 0.2269



18.9137, 0.2979, 0.3171



12.4705, 0.1781, 0.1612



1.4330, 0.1837, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 70.1432, 0.3796, 0.3736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

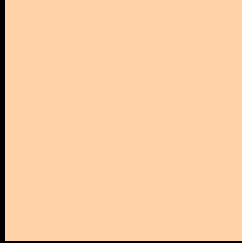
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1432, 0.3796, 0.3736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

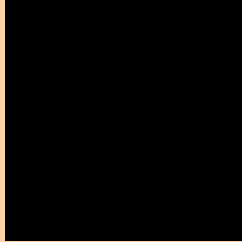
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.1432, 0.3796, 0.3736**

## Background



This preview shows how black text looks on a background with the Yxy color 70.1432, 0.3796, 0.3736.

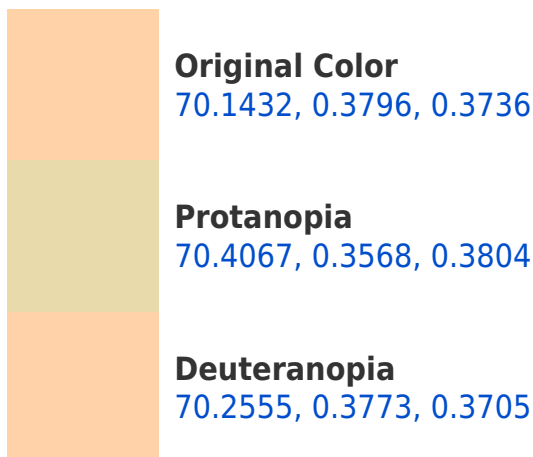


This preview shows how white text looks on a background with the Yxy color 70.1432, 0.3796, 0.3736.

# 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

70.0371, 0.3410, 0.3149

# Trichromacy



**Original Color**

70.1432, 0.3796, 0.3736

**Protanomaly**

70.2039, 0.3646, 0.3774

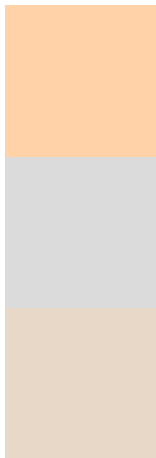
**Deuteranomaly**

70.2178, 0.3781, 0.3715

**Tritanomaly**

70.0558, 0.3552, 0.3363

# Monochromacy



**Original Color**

70.1432, 0.3796, 0.3736

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

70.4377, 0.3357, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1432, 0.3796, 0.3736 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, 210, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 167)  
}
```

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, 210, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1432, 0.3796, 0.3736 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, 210, 167) }
```

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

```
.border{ border-color:rgb(255, 210, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1432, 0.3796, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 167) }
```

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

```
.background{ background-color: rgb(255,  
210, 167) }
```

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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