

Converting Colors

$Y_{xy}(86.8569, 0.4673, 0.3653)$

Have a look what the booklet for
Yxy(86.8569, 0.4673, 0.3653)
contains.

Yxy(64.3089, 0.3970, 0.3801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.3089, 0.3970, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	FFC796
RGB	255, 199, 150
RGB Percent	100%, 78%, 59%
CMY	0.0000, 0.2196, 0.4119
CMYK	0.00, 0.22, 0.41, 0.00
HSL	28°, 100%, 79%
HSV	28°, 41%, 100%
XYZ	67.1682, 64.3089, 37.7123
YIQ	210.1580, 49.1050, -3.3670

Conversions

Conversions Part 2

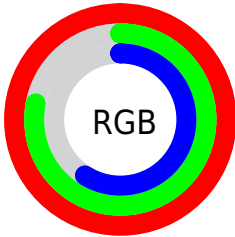
Format	Color
R _Y B	255, 242, 150
Decimal	16762774
CIE Lab	84.13, 13.78, 32.18
CIE LCh	84, 35.004, 66.814
Yxy	64.3089, 0.3970, 0.3801
Android (android.graphics.Color)	4294952854 (0xFFFFC796)
YUV	210.1580, -29.6579, 39.3264
Hunter-Lab	80.1928, 9.1712, 28.2526

Details

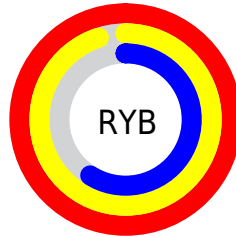
The Yxy color **64.3089, 0.3970, 0.3801** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.8249, 0.2468, 0.2708**, and the grayscale version is **64.7314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **32.8874, 0.4167, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **57.5976, 0.4241, 0.3918**, and if you desaturate by 10%, it is **71.7613, 0.3723, 0.3674**.

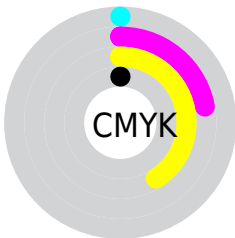
Distribution



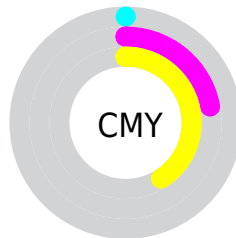
- Red (100%)
- Green (78%)
- Blue (59%)



- Red (100%)
- Yellow (95%)
- Blue (59%)



- Cyan (0%)
- Magenta (22%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3089, 0.3970, 0.3801 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 64.3089, 0.3970, 0.3801 by changing the saturation by 10% instead.


 64.3089, 0.3970,
0.3801


 64.3089, 0.3970,
0.3801

440.3043, 0.3571,
0.3574

 46.9009, 0.4062,
0.3849


 111.0557, 0.3831,
0.3725

 32.9573, 0.4175,
0.3906


 141.1633, 0.3777,
0.3695

 22.0938, 0.4317,
0.3973


176.2728, 0.3731,
0.3668

 13.9258, 0.4500,
0.4053

216.7688, 0.3690,
0.3645

 8.0691, 0.4741,
0.4143

263.0355, 0.3655,
0.3624

 4.1392, 0.5079,
0.4246

315.4574, 0.3624,

 1.7517, 0.5626,

0.3606

0.4374

374.4189, 0.3596,
0.3589

0.4568, 0.6278,
0.3722

0.0000, 0.0000,
0.0000

64.3089, 0.3970,
0.3801

64.3089, 0.3970,
0.3801

57.5976, 0.4241,
0.3918

71.7613, 0.3723,
0.3674

51.5959, 0.4530,
0.4016

79.9742, 0.3504,
0.3546

46.2772, 0.4824,
0.4080

88.9727, 0.3312,
0.3422

41.6107, 0.5105,
0.4098

98.7790, 0.3145,
0.3304

■ 37.5617, 0.5353,
0.4061

100.0000, 0.3127,
0.3290

■ 34.4672, 0.5535,
0.3987

Harmonies

Analogous

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



64.3089, 0.3977, 0.3465



64.3089, 0.3970, 0.3801



64.3089, 0.3726, 0.4036

Triad

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



64.3089, 0.3970, 0.3801



64.3089, 0.2541, 0.3439



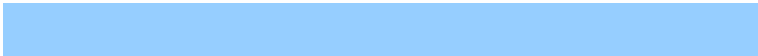
64.3089, 0.2880, 0.2628

Complementary

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



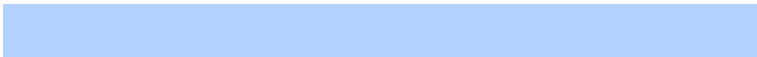
64.3089, 0.3970, 0.3801



57.8249, 0.2468, 0.2708

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.



64.3089, 0.2530, 0.2587



64.3089, 0.3970, 0.3801



64.3089, 0.2346, 0.3018

Square

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



64.3089, 0.3970, 0.3801



64.3089, 0.2896, 0.3844



64.3089, 0.2343, 0.2717



64.3089, 0.3322, 0.2817

Rectangle

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



64.3089, 0.3970, 0.3801



64.3089, 0.3472, 0.4085



64.3089, 0.2343, 0.2717



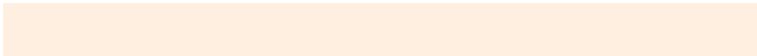
64.3089, 0.2748, 0.2596

Sweetspot

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



64.3106, 0.3970, 0.3801



88.2133, 0.3327, 0.3432



47.5178, 0.3616, 0.2715



18.6218, 0.3351, 0.3448



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.



64.3106, 0.3970, 0.3801



59.0055, 0.4180, 0.3894



92.7674, 0.3758, 0.4283



19.3852, 0.3283, 0.3401



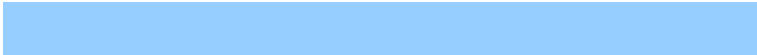
18.3024, 0.5508, 0.4009



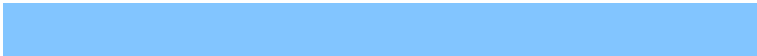
1.9983, 0.5320, 0.4158

Inverse Universe

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



57.8249, 0.2468, 0.2708



51.7490, 0.2346, 0.2574



36.6371, 0.2362, 0.2056



18.9814, 0.2979, 0.3176



13.2669, 0.1802, 0.1686



1.5106, 0.1856, 0.1882

Previews

White Background



This preview shows how the Yxy color 64.3089, 0.3970, 0.3801 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 64.3089, 0.3970, 0.3801 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 64.3089, 0.3970, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 64.3089, 0.3970, 0.3801.



This preview shows how white text looks on a background with the Yxy color 64.3089, 0.3970, 0.3801.

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

64.3089, 0.3970, 0.3801

Protanopia

64.6285, 0.3650, 0.3911

Deuteranopia

64.2993, 0.3920, 0.3829



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.3089, 0.3970, 0.3801

Protanomaly

64.4470, 0.3769, 0.3872

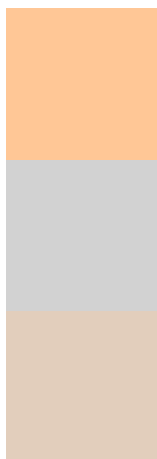
Deuteranomaly

64.2060, 0.3941, 0.3816

Tritanomaly

64.2850, 0.3689, 0.3396

Monochromacy



Original Color

64.3089, 0.3970, 0.3801

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.9422, 0.3415, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3089, 0.3970, 0.3801 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, 199, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 150)  
}
```

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, 199, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 150) }
```

Border

The CSS property to change the border of an element to Yxy 64.3089, 0.3970, 0.3801 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, 199, 150) }
```

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

```
.border{ border-color:rgb(255, 199, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3089, 0.3970, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 150) }
```

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

```
.background{ background-color: rgb(255,  
199, 150) }
```

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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