

Converting Colors

$Yxy(89.7804, 0.4728, 0.3638)$

Have a look what the booklet for
Yxy(89.7804, 0.4728, 0.3638)
contains.

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Color

Yxy(64.3412, 0.3962, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	FFC797
RGB	255, 199, 151
RGB Percent	100%, 78%, 59%
CMY	0.0000, 0.2196, 0.4077
CMYK	0.00, 0.22, 0.41, 0.00
HSL	28°, 100%, 80%
HSV	28°, 41%, 100%
XYZ	67.2612, 64.3412, 38.1633
YIQ	210.2720, 48.7840, -3.0560

Conversions

Conversions Part 2

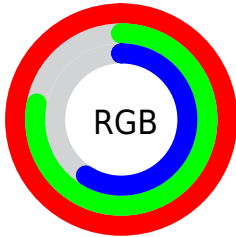
Format	Color
R _Y B	255, 240, 151
Decimal	16762775
CIE Lab	84.14, 13.91, 31.65
CIE LCh	84, 34.572, 66.266
Yxy	64.3412, 0.3962, 0.3790
Android (android.graphics.Color)	4294952855 (0xFFFFC797)
YUV	210.2720, -29.2211, 39.2265
Hunter-Lab	80.2130, 9.3053, 27.9404

Details

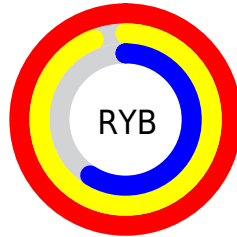
The Yxy color **64.3412, 0.3962, 0.3790** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.4463, 0.2475, 0.2723**, and the grayscale version is **64.8054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **32.9067, 0.4157, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **57.5578, 0.4234, 0.3907**, and if you desaturate by 10%, it is **71.8665, 0.3715, 0.3665**.

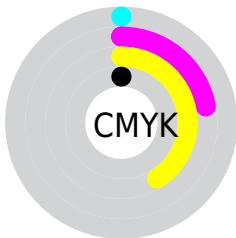
Distribution



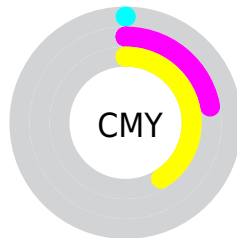
- Red (100%)
- Green (78%)
- Blue (59%)



- Red (100%)
- Yellow (94%)
- 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 64.3412, 0.3962, 0.3790 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 64.3412, 0.3962, 0.3790 by changing the saturation by 10% instead.


 64.3412, 0.3962,
0.3790

 64.3412, 0.3962,
0.3790


440.4207, 0.3567,
0.3568

 46.9271, 0.4053,
0.3837


 111.1022, 0.3824,
0.3716

 32.9780, 0.4165,
0.3893


 141.2178, 0.3771,
0.3686

 22.1096, 0.4306,
0.3959

176.3361, 0.3725,
0.3660

 13.9375, 0.4489,
0.4037

216.8414, 0.3685,
0.3637

 8.0772, 0.4729,
0.4126

263.1181, 0.3650,
0.3617

 4.1444, 0.5064,
0.4225


315.5506, 0.3619,

 1.7546, 0.5633,


0.3599

0.4367

374.5234, 0.3592,
0.3583

 0.4587, 0.6284,
0.3716


 0.0000, 0.0000,
0.0000


 64.3412, 0.3962,
0.3790


 64.3412, 0.3962,
0.3790

 57.5578, 0.4234,
0.3907

 71.8665, 0.3715,
0.3665


 51.5015, 0.4524,
0.4004

 80.1707, 0.3496,
0.3538

 46.1397, 0.4821,
0.4068

 89.2736, 0.3305,
0.3415

 41.4410, 0.5106,
0.4087

 99.1977, 0.3139,
0.3299

■ 37.3703, 0.5358,
0.4051

100.0000, 0.3127,
0.3290

■ 34.1297, 0.5551,
0.3974

Harmonies

Analogous

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



64.3412, 0.3964, 0.3457



64.3412, 0.3962, 0.3790



64.3412, 0.3725, 0.4024

Triad

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



64.3412, 0.3962, 0.3790



64.3412, 0.2553, 0.3445



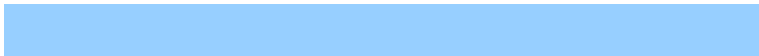
64.3412, 0.2875, 0.2633

Complementary

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



64.3412, 0.3962, 0.3790



58.4463, 0.2475, 0.2723

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.



64.3412, 0.2532, 0.2596



64.3412, 0.3962, 0.3790



64.3412, 0.2357, 0.3029

Square

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



64.3412, 0.3962, 0.3790



64.3412, 0.2906, 0.3842



64.3412, 0.2350, 0.2728



64.3412, 0.3311, 0.2818

Rectangle

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



64.3412, 0.3962, 0.3790



64.3412, 0.3475, 0.4075



64.3412, 0.2350, 0.2728



64.3412, 0.2746, 0.2603

Sweetspot

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



64.3372, 0.3962, 0.3790



88.1132, 0.3327, 0.3430



47.9668, 0.3592, 0.2704



18.5983, 0.3351, 0.3446



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.



64.3372, 0.3962, 0.3790



58.7065, 0.4184, 0.3887



91.7431, 0.3758, 0.4259



19.3679, 0.3283, 0.3400



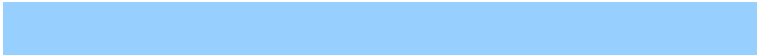
18.1248, 0.5524, 0.3996



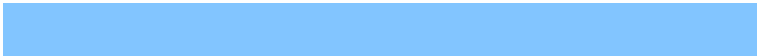
1.9805, 0.5334, 0.4147

Inverse Universe

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



58.4463, 0.2475, 0.2723



52.0667, 0.2347, 0.2583



37.6550, 0.2374, 0.2092



18.9989, 0.2979, 0.3178



13.4787, 0.1807, 0.1705



1.5311, 0.1861, 0.1899

Previews

White Background



This preview shows how the Yxy color 64.3412, 0.3962, 0.3790 looks on a white background.

Color Contrast Check

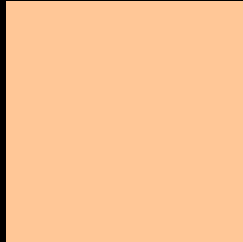
Large Text (above 18pt) WCAG AA × Fail

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 64.3412, 0.3962, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

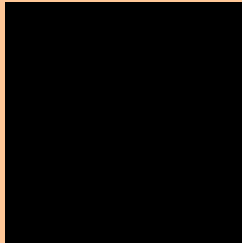
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3412, 0.3962, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 64.3412, 0.3962, 0.3790.



This preview shows how white text looks on a background with the Yxy color 64.3412, 0.3962, 0.3790.

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

64.3412, 0.3962, 0.3790

Protanopia

64.5010, 0.3635, 0.3901

Deuteranopia

64.3316, 0.3912, 0.3819



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.3412, 0.3962, 0.3790

Protanomaly

64.3086, 0.3754, 0.3862

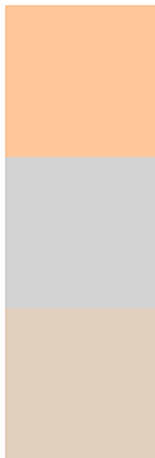
Deuteranomaly

64.2384, 0.3933, 0.3806

Tritanomaly

64.3277, 0.3681, 0.3385

Monochromacy



Original Color

64.3412, 0.3962, 0.3790

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.9855, 0.3407, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3412, 0.3962, 0.3790 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 151) }
```

Border

The CSS property to change the border of an element to Yxy 64.3412, 0.3962, 0.3790 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, 151) }
```

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

```
.border{ border-color:rgb(255, 199, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 199, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 199, 151); box-shadow:4px 4px 4px 4px rgb(255, 199, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3412, 0.3962, 0.3790 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, 151) }
```

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

```
.background{ background-color: rgb(255,  
199, 151) }
```

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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