

Converting Colors

$Y_{xy}(100.0000, 0.4674, 0.3523)$

Have a look what the booklet for
Yxy(100.0000, 0.4674, 0.3523)
contains.

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Color

Yxy(67.9012, 0.3774, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	FFCDAC
RGB	255, 205, 172
RGB Percent	100%, 80%, 67%
CMY	0.0000, 0.1960, 0.3254
CMYK	0.00, 0.20, 0.33, 0.00
HSL	24°, 100%, 84%
HSV	24°, 33%, 100%
XYZ	70.5171, 67.9012, 48.4315
YIQ	216.1880, 40.3930, 0.3370

Conversions

Conversions Part 2

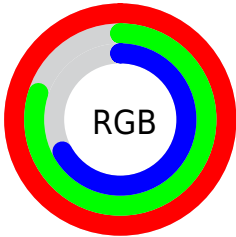
Format	Color
R _Y B	255, 227, 172
Decimal	16764332
CIE Lab	85.96, 13.17, 23.12
CIE LCh	86, 26.608, 60.326
Yxy	67.9012, 0.3774, 0.3634
Android (android.graphics.Color)	4294954412 (0xFFFFCDAC)
YUV	216.1880, -21.7847, 34.0381
Hunter-Lab	82.4022, 8.5506, 22.8341

Details

The Yxy color $67.9012, 0.3774, 0.3634$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $68.2403, 0.2615, 0.2917$, and the grayscale version is $68.9375, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.3814, 0.3286, 0.3552$, and $35.3596, 0.3926, 0.3704$ is the 20% darker color. If you saturate the color by 10%, you get $60.0238, 0.4040, 0.3742$, and if you desaturate by 10%, it is $76.6946, 0.3541, 0.3524$.

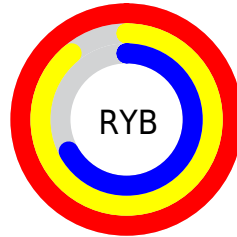
Distribution



Red (100%)

Green (80%)

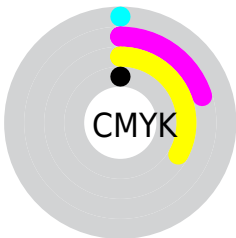
Blue (67%)



Red (100%)

Yellow (89%)

Blue (67%)

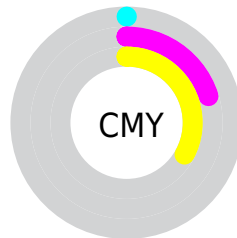


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9012, 0.3774, 0.3634 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 67.9012, 0.3774, 0.3634 by changing the saturation by 10% instead.


 67.9012, 0.3774,
0.3634

 67.9012, 0.3774,
0.3634

453.1459, 0.3469,
0.3481

 49.8174, 0.3845,
0.3667

 116.2108, 0.3667,
0.3582

 35.2683, 0.3932,
0.3707

147.2053, 0.3626,
0.3562

 23.8696, 0.4043,
0.3755


183.2722, 0.3591,
0.3544

 15.2369, 0.4188,
0.3814

224.7959, 0.3560,
0.3528

 8.9858, 0.4385,
0.3887

272.1607, 0.3533,
0.3514

 4.7319, 0.4664,
0.3974

325.7510, 0.3509,

 2.0909, 0.5215,

0.3502

0.4172

385.9513, 0.3488,
0.3491

0.6595, 0.5910,
0.4090

0.0000, 0.0000,
0.0000

67.9012, 0.3774,
0.3634

67.9012, 0.3774,
0.3634

60.0238, 0.4040,
0.3742

76.6946, 0.3541,
0.3524

53.0214, 0.4337,
0.3840

86.4242, 0.3340,
0.3417

46.8635, 0.4657,
0.3917

97.1215, 0.3167,
0.3315

41.5142, 0.4985,
0.3960

99.9983, 0.3127,
0.3290

■ 36.9341, 0.5298,
0.3957

■ 33.0790, 0.5569,
0.3899

■ 30.6377, 0.5737,
0.3827

Harmonies

Analogous

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



67.9012, 0.3735, 0.3372



67.9012, 0.3774, 0.3634



67.9012, 0.3631, 0.3824

Triad

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



67.9012, 0.3774, 0.3634



67.9012, 0.2737, 0.3473



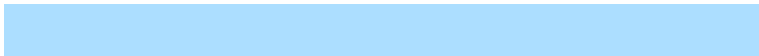
67.9012, 0.2879, 0.2767

Complementary

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



67.9012, 0.3774, 0.3634



68.2403, 0.2615, 0.2917

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.



67.9012, 0.2633, 0.2768



67.9012, 0.3774, 0.3634



67.9012, 0.2555, 0.3157

Square

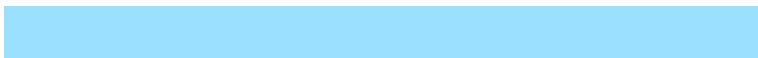
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9012, 0.3774, 0.3634



67.9012, 0.3027, 0.3745



67.9012, 0.2518, 0.2903



67.9012, 0.3203, 0.2889

Rectangle

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



67.9012, 0.3774, 0.3634



67.9012, 0.3457, 0.3877



67.9012, 0.2518, 0.2903



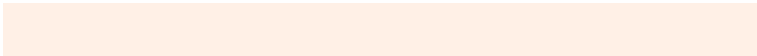
67.9012, 0.2785, 0.2752

Sweetspot

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



67.9044, 0.3774, 0.3634



89.0520, 0.3293, 0.3390



56.1110, 0.3423, 0.2770



18.7483, 0.3319, 0.3405



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.



67.9044, 0.3774, 0.3634



62.7137, 0.3942, 0.3704



89.7315, 0.3648, 0.4020



19.1719, 0.3284, 0.3385



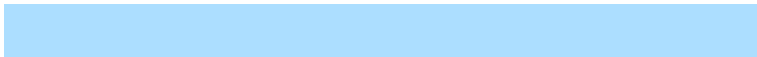
16.2818, 0.5707, 0.3850



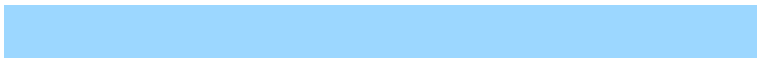
1.7917, 0.5499, 0.4016

Inverse Universe

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



68.2403, 0.2615, 0.2917



63.0808, 0.2515, 0.2829



49.3282, 0.2555, 0.2436



19.1985, 0.2979, 0.3193



16.0843, 0.1869, 0.1929



1.7797, 0.1917, 0.2100

Previews

White Background



This preview shows how the Yxy color 67.9012, 0.3774, 0.3634 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 67.9012, 0.3774, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

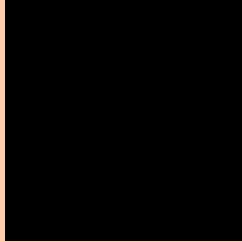
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9012, 0.3774, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 67.9012, 0.3774, 0.3634.



This preview shows how white text looks on a background with the Yxy color 67.9012, 0.3774, 0.3634.

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

67.9012, 0.3774, 0.3634

Protanopia

68.2692, 0.3493, 0.3713

Deuteranopia

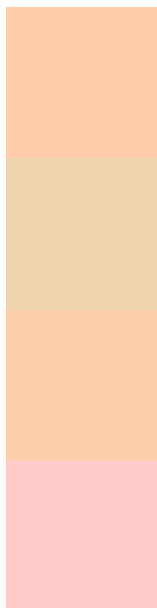
68.1134, 0.3735, 0.3659



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

67.9012, 0.3774, 0.3634

Protanomaly

67.8608, 0.3597, 0.3682

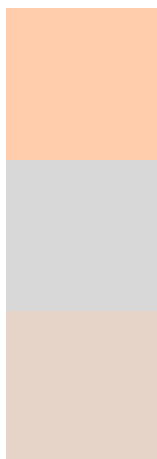
Deuteranomaly

67.8166, 0.3747, 0.3647

Tritanomaly

67.6246, 0.3570, 0.3322

Monochromacy



Original Color

67.9012, 0.3774, 0.3634

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.0801, 0.3348, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9012, 0.3774, 0.3634 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, 205, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 172)  
}
```

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, 205, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 172) }
```

Border

The CSS property to change the border of an element to Yxy 67.9012, 0.3774, 0.3634 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, 205, 172) }
```

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

```
.border{ border-color:rgb(255, 205, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 205, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 205, 172); box-shadow:4px 4px 4px 4px rgb(255, 205, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9012, 0.3774, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 172) }
```

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

```
.background{ background-color: rgb(255,  
205, 172) }
```

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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