

Converting Colors

$Y_{xy}(76.0493, 0.4564, 0.3605)$

Have a look what the booklet for
Yxy(76.0493, 0.4564, 0.3605)
contains.

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Color

Yxy(59.8572, 0.4014, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD96
RGB	255, 189, 150
RGB Percent	100%, 74%, 59%
CMY	0.0001, 0.2588, 0.4118
CMYK	0.00, 0.26, 0.41, 0.00
HSL	22°, 100%, 79%
HSV	22°, 41%, 100%
XYZ	64.9370, 59.8572, 36.9820
YIQ	204.2880, 51.8550, 1.8630

Conversions

Conversions Part 2

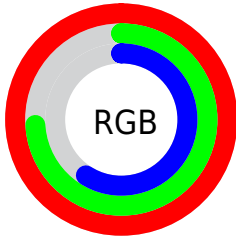
Format	Color
R _Y B	255, 212, 150
Decimal	16760214
CIE Lab	81.76, 18.99, 29.01
CIE LCh	82, 34.674, 56.788
Yxy	59.8572, 0.4014, 0.3700
Android (android.graphics.Color)	4294950294 (0xFFFFBD96)
YUV	204.2880, -26.7640, 44.4744
Hunter-Lab	77.3674, 14.4278, 25.8163

Details

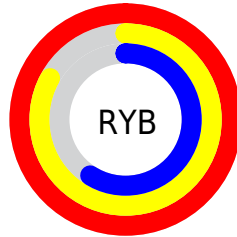
The Yxy color **59.8572, 0.4014, 0.3700** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.7933, 0.2488, 0.2832**, and the grayscale version is **60.7241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9244, 0.3448, 0.3697**, and **30.2449, 0.4232, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **52.6092, 0.4315, 0.3793**, and if you desaturate by 10%, it is **68.0510, 0.3747, 0.3598**.

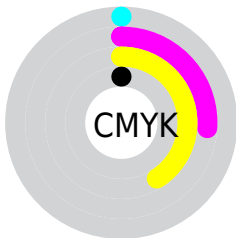
Distribution



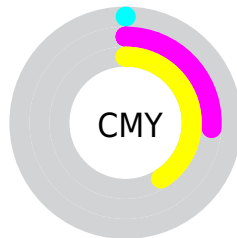
- Red (100%)
- Green (74%)
- Blue (59%)



- Red (100%)
- Yellow (83%)
- Blue (59%)



- Cyan (0%)
- Magenta (26%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8572, 0.4014, 0.3700 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 59.8572, 0.4014, 0.3700 by changing the saturation by 10% instead.


 59.8572, 0.4014,
0.3700

 59.8572, 0.4014,
0.3700


424.0712, 0.3587,
0.3520

 43.3035, 0.4114,
0.3737


 104.6225, 0.3863,
0.3641

 30.1234, 0.4239,
0.3780


 133.6029, 0.3806,
0.3617

 19.9322, 0.4398,
0.3830


167.4944, 0.3756,
0.3596

 12.3458, 0.4606,
0.3887

206.6813, 0.3713,
0.3577

 6.9796, 0.4887,
0.3946

251.5480, 0.3676,
0.3560

 3.4494, 0.5303,
0.4006

302.4790, 0.3643,

 1.3706, 0.5966,

0.3546

0.4034

359.8586, 0.3613,
0.3532

0.1949, 0.7690,
0.2310

0.0000, 0.0000,
0.0000

59.8572, 0.4014,
0.3700

59.8572, 0.4014,
0.3700

52.6092, 0.4315,
0.3793

68.0510, 0.3747,
0.3598

46.2622, 0.4643,
0.3868

77.2163, 0.3515,
0.3495

40.7798, 0.4984,
0.3911

87.3881, 0.3315,
0.3395

36.1197, 0.5313,
0.3909

98.5972, 0.3145,
0.3301

■ 32.2345, 0.5602,
0.3855

99.9964, 0.3127,
0.3290

■ 29.3996, 0.5809,
0.3770

Harmonies

Analogous

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



59.8572, 0.3934, 0.3346



59.8572, 0.4014, 0.3700



59.8572, 0.3839, 0.3984

Triad

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



59.8572, 0.4014, 0.3700



59.8572, 0.2637, 0.3589



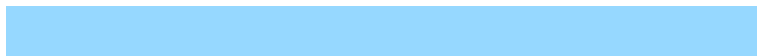
59.8572, 0.2743, 0.2587

Complementary

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



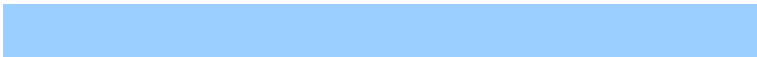
59.8572, 0.4014, 0.3700



62.7933, 0.2488, 0.2832

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.



59.8572, 0.2438, 0.2601



59.8572, 0.4014, 0.3700



59.8572, 0.2380, 0.3148

Square

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



59.8572, 0.4014, 0.3700



59.8572, 0.3035, 0.3956



59.8572, 0.2311, 0.2793



59.8572, 0.3171, 0.2732

Rectangle

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



59.8572, 0.4014, 0.3700



59.8572, 0.3612, 0.4085



59.8572, 0.2311, 0.2793



59.8572, 0.2624, 0.2573

Sweetspot

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



59.8601, 0.4014, 0.3700



86.5240, 0.3331, 0.3403



48.0503, 0.3514, 0.2614



18.2252, 0.3355, 0.3416



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.



59.8601, 0.4014, 0.3700



54.1167, 0.4247, 0.3774



86.3586, 0.3797, 0.4193



19.0929, 0.3285, 0.3379



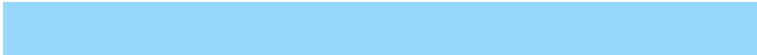
15.6259, 0.5779, 0.3793



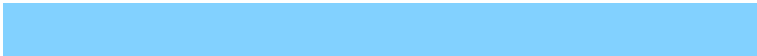
1.7224, 0.5565, 0.3963

Inverse Universe

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



62.7933, 0.2488, 0.2832



57.3545, 0.2375, 0.2727



40.2505, 0.2383, 0.2185



19.2800, 0.2979, 0.3200



17.2456, 0.1895, 0.2021



1.8887, 0.1939, 0.2182

Previews

White Background



This preview shows how the Yxy color 59.8572, 0.4014, 0.3700 looks on a white background.

Color Contrast Check

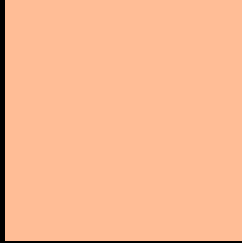
Large Text (above 18pt) WCAG AA × Fail

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 59.8572, 0.4014, 0.3700 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 59.8572, 0.4014, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 59.8572, 0.4014, 0.3700.



This preview shows how white text looks on a background with the Yxy color 59.8572, 0.4014, 0.3700.

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

59.8572, 0.4014, 0.3700

Protanopia

59.8639, 0.3590, 0.3840

Deuteranopia

59.9009, 0.3877, 0.3794



Tritanopia

59.9891, 0.3625, 0.3167

Trichromacy



Original Color

59.8572, 0.4014, 0.3700

Protanomaly

59.7102, 0.3741, 0.3787

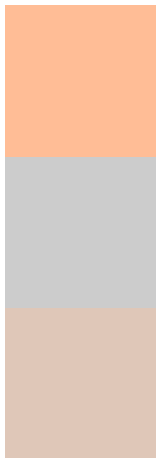
Deuteranomaly

59.9027, 0.3928, 0.3765

Tritanomaly

59.6731, 0.3769, 0.3355

Monochromacy



Original Color

59.8572, 0.4014, 0.3700

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

59.9955, 0.3434, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8572, 0.4014, 0.3700 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, 189, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 150) }
```

Border

The CSS property to change the border of an element to Yxy 59.8572, 0.4014, 0.3700 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, 189, 150) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8572, 0.4014, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 150) }
```

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

```
.background{ background-color: rgb(255,  
189, 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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