

Converting Colors

$Yxy(64.6071, 0.3926, 0.3748)$

Have a look what the booklet for
Yxy(64.6071, 0.3926, 0.3748)
contains.

Yxy(64.4734, 0.3930, 0.3750)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4734, 0.3930, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	FFC79B
RGB	255, 199, 155
RGB Percent	100%, 78%, 61%
CMY	0.0002, 0.2195, 0.3922
CMYK	0.00, 0.22, 0.39, 0.00
HSL	26°, 100%, 80%
HSV	26°, 39%, 100%
XYZ	67.5681, 64.4734, 39.8875
YIQ	210.7280, 47.5000, -1.8120

Conversions

Conversions Part 2

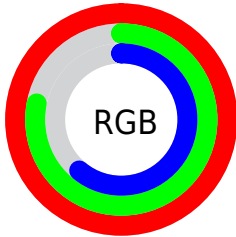
Format	Color
R _{YB}	255, 234, 155
Decimal	16762779
CIE Lab	84.21, 14.30, 29.67
CIE LCh	84, 32.938, 64.276
Yxy	64.4734, 0.3930, 0.3750
Android (android.graphics.Color)	4294952859 (0xFFFFC79B)
YUV	210.7280, -27.4739, 38.8265
Hunter-Lab	80.2953, 9.6900, 26.7538

Details

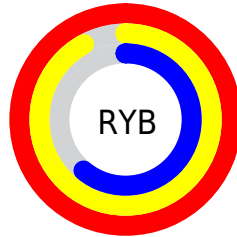
The Yxy color **64.4734, 0.3930, 0.3750** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.7358, 0.2504, 0.2774**, and the grayscale version is **65.1134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **32.9658, 0.4127, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **57.4475, 0.4204, 0.3863**, and if you desaturate by 10%, it is **72.3017, 0.3684, 0.3629**.

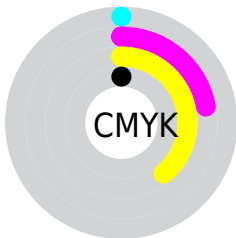
Distribution



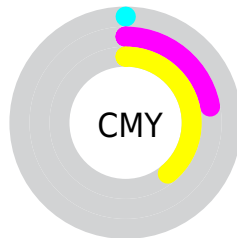
- Red (100%)
- Green (78%)
- Blue (61%)



- Red (100%)
- Yellow (92%)
- Blue (61%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4734, 0.3930, 0.3750 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 64.4734, 0.3930, 0.3750 by changing the saturation by 10% instead.

 64.4734, 0.3930,
0.3750


 64.4734, 0.3930,
0.3750


440.8972, 0.3550,
0.3546

 47.0342, 0.4018,
0.3793


 111.2924, 0.3797,
0.3682

 33.0627, 0.4127,
0.3845


 141.4411, 0.3745,
0.3654

 22.1745, 0.4264,
0.3906


176.5949, 0.3701,
0.3630

 13.9852, 0.4442,
0.3979

217.1385, 0.3663,
0.3609

 8.1103, 0.4680,
0.4064

263.4561, 0.3629,
0.3591

 4.1656, 0.5006,
0.4153

315.9321, 0.3600,

 1.7666, 0.5651,

0.3574

0.4349

374.9510, 0.3573,
0.3559

0.4663, 0.6295,
0.3705

0.0000, 0.0000,
0.0000

64.4734, 0.3930,
0.3750

64.4734, 0.3930,
0.3750

57.4475, 0.4204,
0.3863

72.3017, 0.3684,
0.3629

51.1864, 0.4501,
0.3959

80.9500, 0.3467,
0.3509

45.6630, 0.4808,
0.4025

90.4464, 0.3278,
0.3392

40.8442, 0.5107,
0.4047

99.9925, 0.3127,
0.3290

■ 36.6932, 0.5375,
0.4016

■ 33.1635, 0.5596,
0.3933

■ 32.9083, 0.5613,
0.3925

Harmonies

Analogous

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



64.4734, 0.3915, 0.3429



64.4734, 0.3930, 0.3750



64.4734, 0.3718, 0.3980

Triad

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



64.4734, 0.3930, 0.3750



64.4734, 0.2598, 0.3465



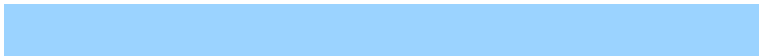
64.4734, 0.2862, 0.2655

Complementary

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



64.4734, 0.3930, 0.3750



60.7358, 0.2504, 0.2774

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.



64.4734, 0.2543, 0.2630



64.4734, 0.3930, 0.3750



64.4734, 0.2398, 0.3067

Square

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



64.4734, 0.3930, 0.3750



64.4734, 0.2944, 0.3834



64.4734, 0.2379, 0.2769



64.4734, 0.3275, 0.2823

Rectangle

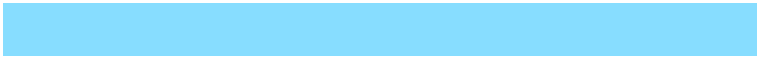
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.4734, 0.3930, 0.3750



64.4734, 0.3486, 0.4036



64.4734, 0.2379, 0.2769



64.4734, 0.2741, 0.2629

Sweetspot

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



64.4765, 0.3930, 0.3750



87.7420, 0.3328, 0.3424



49.4264, 0.3552, 0.2710



18.5111, 0.3352, 0.3439



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.



64.4765, 0.3930, 0.3750



58.9550, 0.4142, 0.3839



90.9354, 0.3740, 0.4209



19.3037, 0.3283, 0.3395



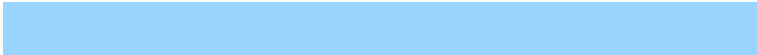
17.4871, 0.5585, 0.3948



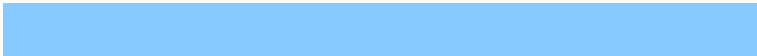
1.9160, 0.5388, 0.4104

Inverse Universe

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



60.7358, 0.2504, 0.2774



54.7223, 0.2384, 0.2650



39.9032, 0.2411, 0.2166



19.0639, 0.2979, 0.3183



14.2897, 0.1827, 0.1777



1.6092, 0.1879, 0.1965

Previews

White Background



This preview shows how the Yxy color 64.4734, 0.3930, 0.3750 looks on a white background.

Color Contrast Check

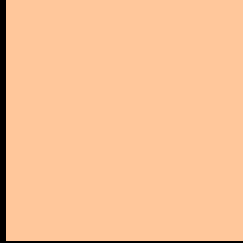
Large Text (above 18pt) WCAG AA × Fail

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 64.4734, 0.3930, 0.3750 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 64.4734, 0.3930, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 64.4734, 0.3930, 0.3750.



This preview shows how white text looks on a background with the Yxy color 64.4734, 0.3930, 0.3750.

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

64.4734, 0.3930, 0.3750

Protanopia

64.6388, 0.3606, 0.3856

Deuteranopia

64.7139, 0.3876, 0.3800



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.4734, 0.3930, 0.3750

Protanomaly

64.4441, 0.3723, 0.3819

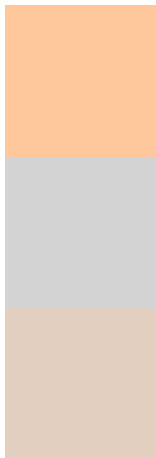
Deuteranomaly

64.6156, 0.3897, 0.3786

Tritanomaly

64.3707, 0.3673, 0.3375

Monochromacy



Original Color

64.4734, 0.3930, 0.3750

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.7181, 0.3398, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4734, 0.3930, 0.3750 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 155) }
```

Border

The CSS property to change the border of an element to Yxy 64.4734, 0.3930, 0.3750 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, 155) }
```

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

```
.border{ border-color:rgb(255, 199, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4734, 0.3930, 0.3750 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
199, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor