

# Converting Colors

$Yxy(77.4592, 0.4349, 0.3464)$

Have a look what the booklet for  
Yxy(77.4592, 0.4349, 0.3464)  
contains.

<b>Yxy(62.3785, 0.3814, 0.3512)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(62.3785, 0.3814, 0.3512)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC1AC
RGB	255, 193, 172
RGB Percent	100%, 76%, 67%
CMY	0.0002, 0.2430, 0.3255
CMYK	0.00, 0.24, 0.33, 0.00
HSL	15°, 100%, 84%
HSV	15°, 33%, 100%
XYZ	67.7425, 62.3785, 47.4943
YIQ	209.1440, 43.6930, 6.6130

# Conversions

## Conversions Part 2

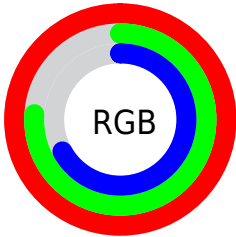
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 200, 172
Decimal	16761260
CIE Lab	83.11, 19.41, 19.21
CIE LCh	83, 27.307, 44.701
Yxy	62.3785, 0.3814, 0.3512
Android (android.graphics.Color)	4294951340 (0xFFFFC1AC)
YUV	209.1440, -18.3120, 40.2157
Hunter-Lab	78.9801, 14.8872, 19.6322

# Details

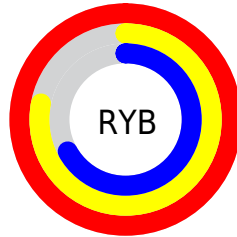
The Yxy color **62.3785, 0.3814, 0.3512** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.7841, 0.2632, 0.3054**, and the grayscale version is **63.9597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1773, 0.3297, 0.3515**, and **31.6916, 0.3990, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **53.6129, 0.4114, 0.3581**, and if you desaturate by 10%, it is **72.4206, 0.3559, 0.3441**.

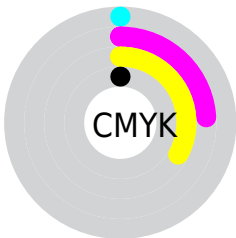
# Distribution



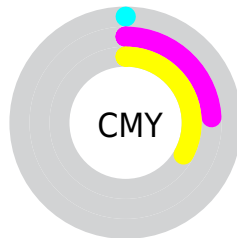
- Red (100%)
- Green (76%)
- Blue (67%)



- Red (100%)
- Yellow (78%)
- Blue (67%)



- Cyan (0%)
- Magenta (24%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3785, 0.3814, 0.3512 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 62.3785, 0.3814, 0.3512 by changing the saturation by 10% instead.



 62.3785, 0.3814,  
0.3512

 62.3785, 0.3814,  
0.3512


433.3104, 0.3484,  
0.3416

 45.3386, 0.3892,  
0.3532


 108.2724, 0.3697,  
0.3480

 31.7242, 0.3990,  
0.3555


137.8952, 0.3653,  
0.3467

 21.1509, 0.4115,  
0.3583


172.4810, 0.3614,  
0.3456

 13.2344, 0.4282,  
0.3615

212.4144, 0.3581,  
0.3446

 7.5901, 0.4513,  
0.3650

258.0796, 0.3552,  
0.3437

 3.8338, 0.4852,  
0.3682

309.8611, 0.3527,

 1.5810, 0.5598,

0.3429

0.3826

368.1432, 0.3504,  
0.3422

0.3448, 0.6992,  
0.3008

0.0000, 0.0000,  
0.0000

62.3785, 0.3814,  
0.3512

62.3785, 0.3814,  
0.3512

53.6129, 0.4114,  
0.3581

72.4206, 0.3559,  
0.3441

46.0633, 0.4459,  
0.3642

83.7791, 0.3346,  
0.3371

39.6770, 0.4841,  
0.3686

96.5030, 0.3167,  
0.3306

34.3941, 0.5238,  
0.3701

99.9909, 0.3127,  
0.3290

■ 30.1490, 0.5614,  
0.3676

■ 26.8678, 0.5925,  
0.3608

■ 24.9914, 0.6101,  
0.3538

# Harmonies

## Analogous

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



62.3785, 0.3671, 0.3226



62.3785, 0.3814, 0.3512



62.3785, 0.3759, 0.3762

# Triad

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



62.3785, 0.3814, 0.3512



62.3785, 0.2864, 0.3647



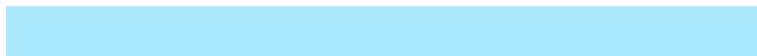
62.3785, 0.2716, 0.2722

# Complementary

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



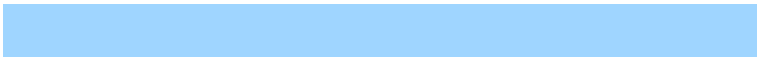
62.3785, 0.3814, 0.3512



74.7841, 0.2632, 0.3054

# 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.



62.3785, 0.2525, 0.2796



62.3785, 0.3814, 0.3512



62.3785, 0.2606, 0.3320

# Square

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



62.3785, 0.3814, 0.3512



62.3785, 0.3201, 0.3867



62.3785, 0.2486, 0.3007



62.3785, 0.3023, 0.2787



# Rectangle

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



62.3785, 0.3814, 0.3512



62.3785, 0.3623, 0.3872



62.3785, 0.2486, 0.3007



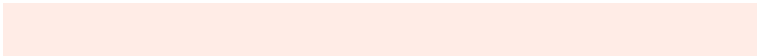
62.3785, 0.2637, 0.2731

# Sweetspot

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



62.3814, 0.3814, 0.3512



86.9165, 0.3297, 0.3354



56.7053, 0.3330, 0.2665



18.2340, 0.3324, 0.3364



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.



62.3814, 0.3814, 0.3512



56.5985, 0.4002, 0.3557



83.1956, 0.3681, 0.3919



18.7355, 0.3288, 0.3351



13.2635, 0.6073, 0.3560

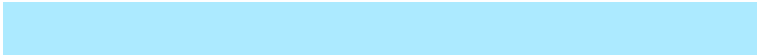


1.4571, 0.5856, 0.3733

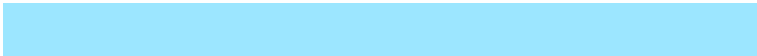


# Inverse Universe

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



74.7841, 0.2632, 0.3054



70.7155, 0.2542, 0.3000



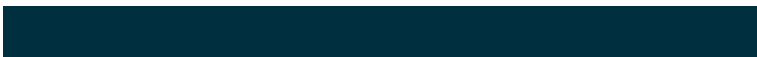
54.0079, 0.2572, 0.2569



19.6556, 0.2980, 0.3228



23.3437, 0.2013, 0.2445



2.4474, 0.2042, 0.2553



# Previews

## White Background



This preview shows how the Yxy color 62.3785, 0.3814, 0.3512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

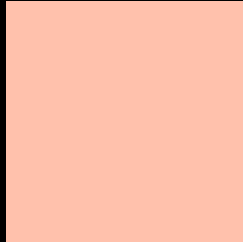
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3785, 0.3814, 0.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

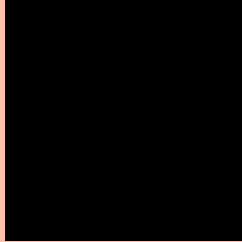
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3785, 0.3814, 0.3512**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3785, 0.3814, 0.3512.



This preview shows how white text looks on a background with the Yxy color 62.3785, 0.3814, 0.3512.

# 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

62.3785, 0.3814, 0.3512

### Protanopia

62.7857, 0.3416, 0.3613

### Deuteranopia

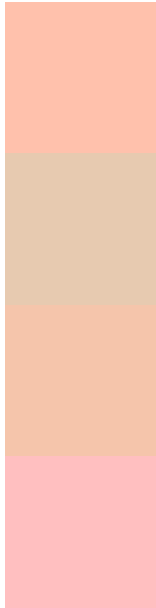
62.3124, 0.3678, 0.3597



## Tritanopia

62.3987, 0.3563, 0.3157

# Trichromacy



**Original Color**

62.3785, 0.3814, 0.3512

**Protanomaly**

62.3646, 0.3556, 0.3582

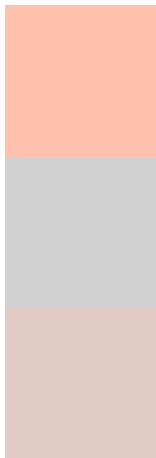
**Deuteranomaly**

62.2853, 0.3726, 0.3572

**Tritanomaly**

62.3274, 0.3653, 0.3281

# Monochromacy



**Original Color**

62.3785, 0.3814, 0.3512

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

62.8661, 0.3359, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3785, 0.3814, 0.3512 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, 193, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 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, 193, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3785, 0.3814, 0.3512 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, 193, 172) }
```

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

```
.border{ border-color:rgb(255, 193, 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, 193, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3785, 0.3814, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 172) }
```

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

```
.background{ background-color: rgb(255,  
193, 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](#).

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