

# Converting Colors

$Yxy(63.1545, 0.3777, 0.3485)$

Have a look what the booklet for  
Yxy(63.1545, 0.3777, 0.3485)  
contains.

<b>Yxy(62.9782, 0.3778, 0.3480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.9782, 0.3778, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2B0
RGB	255, 194, 176
RGB Percent	100%, 76%, 69%
CMY	0.0000, 0.2392, 0.3098
CMYK	0.00, 0.24, 0.31, 0.00
HSL	14°, 100%, 85%
HSV	14°, 31%, 100%
XYZ	68.3712, 62.9782, 49.6225
YIQ	210.1870, 42.1340, 7.3340

# Conversions

## Conversions Part 2

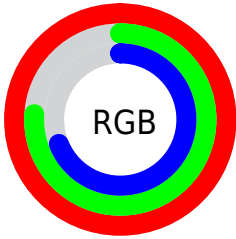
Format	Color
R <sub>Y</sub> B	255, 199, 176
Decimal	16761520
CIE Lab	83.43, 19.42, 17.52
CIE LCh	83, 26.158, 42.055
Yxy	62.9782, 0.3778, 0.3480
Android (android.graphics.Color)	4294951600 (0xFFFFC2B0)
YUV	210.1870, -16.8542, 39.3010
Hunter-Lab	79.3588, 14.9078, 18.4776

# Details

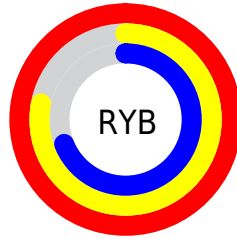
The Yxy color **62.9782, 0.3778, 0.3480** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.0128, 0.2658, 0.3090**, and the grayscale version is **64.6693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0806, 0.3266, 0.3475**, and **32.0565, 0.3951, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **53.8715, 0.4076, 0.3543**, and if you desaturate by 10%, it is **73.4363, 0.3526, 0.3416**.

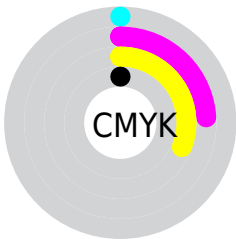
# Distribution



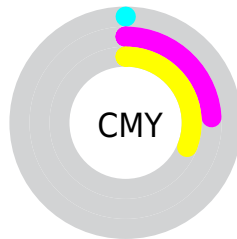
- Red (100%)
- Green (76%)
- Blue (69%)



- Red (100%)
- Yellow (78%)
- Blue (69%)



- Cyan (0%)
- Magenta (24%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9782, 0.3778, 0.3480 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 62.9782, 0.3778, 0.3480 by changing the saturation by 10% instead.





 62.9782, 0.3778,  
0.3480

 62.9782, 0.3778,  
0.3480


435.4904, 0.3466,  
0.3398

 45.8236, 0.3852,  
0.3497


 109.1381, 0.3668,  
0.3453

 32.1066, 0.3944,  
0.3517


138.9121, 0.3625,  
0.3442

 21.4430, 0.4063,  
0.3540


173.6614, 0.3589,  
0.3433

 13.4482, 0.4221,  
0.3567

213.7703, 0.3558,  
0.3424

 7.7379, 0.4441,  
0.3596

259.6233, 0.3530,  
0.3417

 3.9277, 0.4764,  
0.3623

311.6047, 0.3506,

 1.6332, 0.5400,

0.3410

0.3706

370.0989, 0.3485,  
0.3404

0.3798, 0.6874,  
0.3126

0.0000, 0.0000,  
0.0000

62.9782, 0.3778,  
0.3480

62.9782, 0.3778,  
0.3480

53.8715, 0.4076,  
0.3543

73.4363, 0.3526,  
0.3416

46.0590, 0.4423,  
0.3599

85.2972, 0.3317,  
0.3354

39.4812, 0.4811,  
0.3640

98.6110, 0.3143,  
0.3296

34.0731, 0.5218,  
0.3656

100.0000, 0.3127,  
0.3290

■ 29.7638, 0.5610,  
0.3636

■ 26.4736, 0.5938,  
0.3575

■ 24.2986, 0.6153,  
0.3496

# Harmonies

## Analogous

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



62.9782, 0.3626, 0.3206



62.9782, 0.3778, 0.3480



62.9782, 0.3743, 0.3724

# Triad

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



62.9782, 0.3778, 0.3480



62.9782, 0.2903, 0.3654



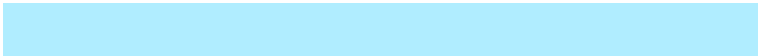
62.9782, 0.2712, 0.2747

# Complementary

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



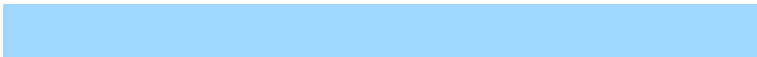
62.9782, 0.3778, 0.3480



77.0128, 0.2658, 0.3090

# 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.



62.9782, 0.2541, 0.2830



62.9782, 0.3778, 0.3480



62.9782, 0.2646, 0.3348

# Square

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



62.9782, 0.3778, 0.3480



62.9782, 0.3228, 0.3850



62.9782, 0.2518, 0.3044



62.9782, 0.2999, 0.2798



# Rectangle

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



62.9782, 0.3778, 0.3480



62.9782, 0.3622, 0.3836



62.9782, 0.2518, 0.3044



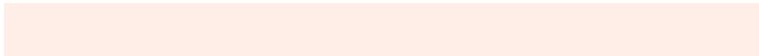
62.9782, 0.2640, 0.2760

# Sweetspot

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



62.9787, 0.3778, 0.3480



87.8203, 0.3279, 0.3342



58.4741, 0.3297, 0.2671



18.3997, 0.3306, 0.3351



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.



62.9787, 0.3778, 0.3480



57.3406, 0.3952, 0.3518



82.4543, 0.3660, 0.3863



18.6586, 0.3289, 0.3345



12.8800, 0.6127, 0.3517

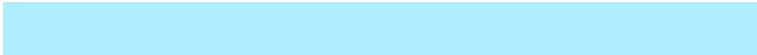


1.4102, 0.5914, 0.3686

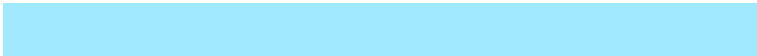


# Inverse Universe

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



77.0128, 0.2658, 0.3090



73.3188, 0.2573, 0.3045



57.0108, 0.2605, 0.2641



19.7379, 0.2980, 0.3235



24.8451, 0.2038, 0.2535



2.5823, 0.2064, 0.2632



# Previews

## White Background



This preview shows how the Yxy color 62.9782, 0.3778, 0.3480 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 62.9782, 0.3778, 0.3480 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 62.9782, 0.3778, 0.3480**

## Background



This preview shows how black text looks on a background with the Yxy color 62.9782, 0.3778, 0.3480.



This preview shows how white text looks on a background with the Yxy color 62.9782, 0.3778, 0.3480.

# 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

62.9782, 0.3778, 0.3480

### Protanopia

63.4361, 0.3384, 0.3577

### Deuteranopia

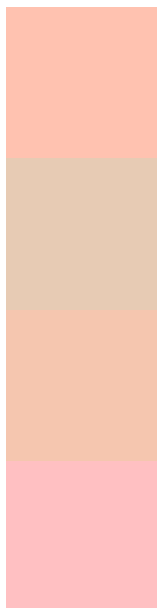
62.9290, 0.3643, 0.3564



## Tritanopia

62.9294, 0.3545, 0.3147

# Trichromacy



## Original Color

62.9782, 0.3778, 0.3480

## Protanomaly

62.9961, 0.3522, 0.3547

## Deuteranomaly

62.8958, 0.3690, 0.3539

## Tritanomaly

62.8543, 0.3634, 0.3271

# Monochromacy



## Original Color

62.9782, 0.3778, 0.3480

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.4317, 0.3343, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9782, 0.3778, 0.3480 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, 194, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 176)  
}
```

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, 194, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9782, 0.3778, 0.3480 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, 194, 176) }
```

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

```
.border{ border-color:rgb(255, 194, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9782, 0.3778, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 176) }
```

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

```
.background{ background-color: rgb(255,  
194, 176) }
```

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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