

# Converting Colors

$Y_{xy}(94.6092, 0.4017, 0.3621)$

Have a look what the booklet for  
Yxy(94.6092, 0.4017, 0.3621)  
contains.

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# Color

**Yxy(81.0163, 0.3574, 0.3686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5BE
RGB	255, 229, 190
RGB Percent	100%, 90%, 75%
CMY	0.0000, 0.1019, 0.2548
CMYK	0.00, 0.10, 0.25, 0.00
HSL	36°, 100%, 87%
HSV	36°, 25%, 100%
XYZ	78.5546, 81.0163, 60.2237
YIQ	232.3280, 28.0150, -6.6170

# Conversions

## Conversions Part 2

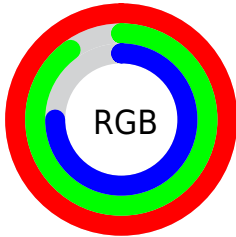
<b>Format</b>	<b>Color</b>
<b>RYB</b>	233, 255, 190
Decimal	16770494
CIELab	92.14, 3.11, 22.27
CIELCh	92, 22.490, 82.055
Yxy	81.0163, 0.3574, 0.3686
Android (android.graphics.Color)	4294960574 (0xFFFFE5BE)
YUV	232.3280, -20.8677, 19.8833
Hunter-Lab	90.0091, -1.7316, 23.3363

# Details

The Yxy color **81.0163, 0.3574, 0.3686** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.2885, 0.2713, 0.2859**, and the grayscale version is **81.1013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **44.0554, 0.3681, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **74.5202, 0.3783, 0.3848**, and if you desaturate by 10%, it is **88.0466, 0.3384, 0.3526**.

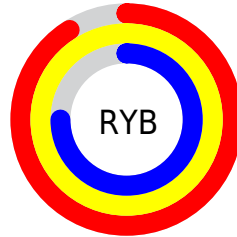
# Distribution



Red (100%)

Green (90%)

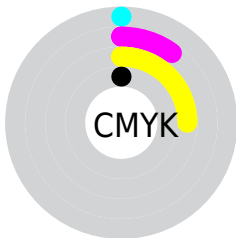
Blue (75%)



Red (91%)

Yellow (100%)

Blue (75%)

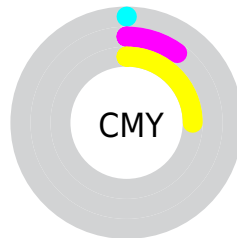


Cyan (0%)

Magenta (10%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0163, 0.3574, 0.3686 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 81.0163, 0.3574, 0.3686 by changing the saturation by 10% instead.




 81.0163, 0.3574,  
0.3686

 81.0163, 0.3574,  
0.3686


498.3513, 0.3371,  
0.3508

 60.5550, 0.3619,  
0.3725


 134.7937, 0.3505,  
0.3626

 43.8662, 0.3674,  
0.3772


168.8785, 0.3477,  
0.3602

 30.5653, 0.3743,  
0.3831


208.2734, 0.3454,  
0.3581

 20.2681, 0.3831,  
0.3906

253.3626, 0.3433,  
0.3563

 12.5900, 0.3947,  
0.4002

304.5306, 0.3415,  
0.3547

 7.1469, 0.4106,  
0.4132

362.1618, 0.3399,

 3.5541, 0.4333,

0.3533

0.4310

426.6406, 0.3384,  
0.3520

■ 1.4274, 0.5063,  
0.4937

■ 0.2368, 0.5597,  
0.4403

■ 81.0163, 0.3574,  
0.3686

■ 81.0163, 0.3574,  
0.3686

■ 74.5202, 0.3783,  
0.3848

■ 88.0466, 0.3384,  
0.3526

■ 68.5314, 0.4008,  
0.4003

■ 95.6149, 0.3213,  
0.3371

■ 63.0367, 0.4243,  
0.4144

99.9996, 0.3127,  
0.3290

■ 58.0179, 0.4479,  
0.4258

■ 53.4550, 0.4704,  
0.4332

■ 49.3256, 0.4906,  
0.4357

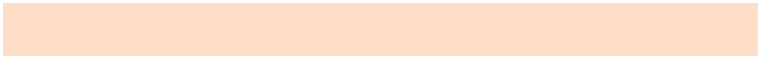
■ 45.6030, 0.5073,  
0.4327

■ 44.0395, 0.5140,  
0.4301

# Harmonies

## Analogous

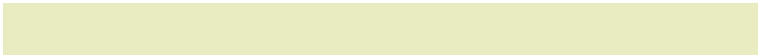
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0163, 0.3648, 0.3516



81.0163, 0.3574, 0.3686



81.0163, 0.3379, 0.3756

# Triad

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



81.0163, 0.3574, 0.3686



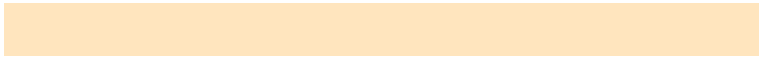
81.0163, 0.2697, 0.3255



81.0163, 0.3115, 0.2930

# Complementary

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



81.0163, 0.3574, 0.3686



67.2885, 0.2713, 0.2859

# Split Complementary

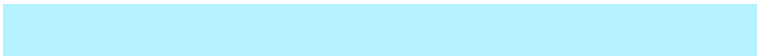
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0163, 0.2866, 0.2858



81.0163, 0.3574, 0.3686



81.0163, 0.2633, 0.3032

# Square

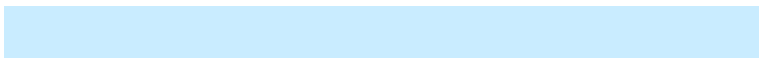
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0163, 0.3574, 0.3686



81.0163, 0.2873, 0.3502



81.0163, 0.2693, 0.2891



81.0163, 0.3377, 0.3089

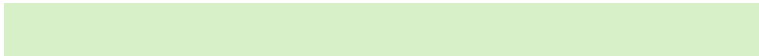


# Rectangle

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



81.0163, 0.3574, 0.3686



81.0163, 0.3210, 0.3727



81.0163, 0.2693, 0.2891



81.0163, 0.3027, 0.2895

# Sweetspot

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



81.0200, 0.3574, 0.3686



93.6584, 0.3254, 0.3409



63.1104, 0.3448, 0.3014



19.8000, 0.3279, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

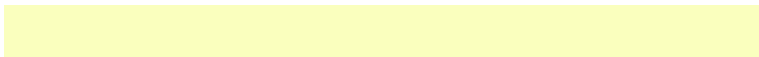
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0200, 0.3574, 0.3686



77.3701, 0.3687, 0.3775



95.4845, 0.3477, 0.3937



19.8000, 0.3279, 0.3432



23.3122, 0.5120, 0.4317



2.4838, 0.4985, 0.4424



# Inverse Universe

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



67.2885, 0.2713, 0.2859



61.3476, 0.2617, 0.2750



55.7163, 0.2722, 0.2567



18.5703, 0.2979, 0.3143



9.0114, 0.1683, 0.1259



1.0842, 0.1745, 0.1482



# Previews

## White Background



This preview shows how the Yxy color 81.0163, 0.3574, 0.3686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

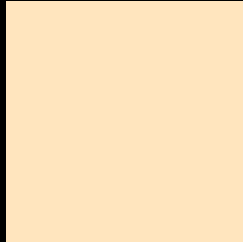
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0163, 0.3574, 0.3686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

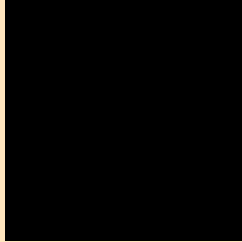
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.0163, 0.3574, 0.3686**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0163, 0.3574, 0.3686.



This preview shows how white text looks on a background with the Yxy color 81.0163, 0.3574, 0.3686.

# 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

81.0163, 0.3574, 0.3686

### Protanopia

81.0676, 0.3494, 0.3714

### Deuteranopia

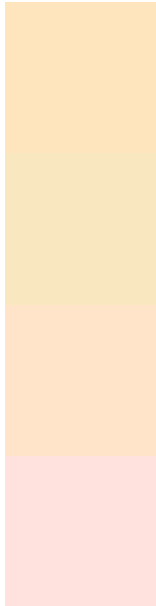
80.8016, 0.3447, 0.3472



## Tritanopia

80.7444, 0.3253, 0.3152

# Trichromacy



## Original Color

81.0163, 0.3574, 0.3686

## Protanomaly

81.0532, 0.3519, 0.3701

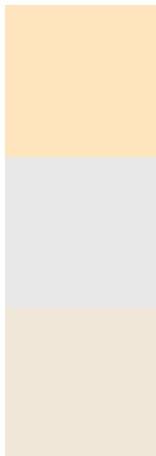
## Deuteranomaly

81.0111, 0.3494, 0.3554

## Tritanomaly

80.8732, 0.3366, 0.3341

# Monochromacy



## Original Color

81.0163, 0.3574, 0.3686

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.6868, 0.3280, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0163, 0.3574, 0.3686 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, 229, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 190)  
}
```

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, 229, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0163, 0.3574, 0.3686 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, 229, 190) }
```

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

```
.border{ border-color:rgb(255, 229, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 190); box-shadow:4px 4px 4px 4px rgb(255, 229, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0163, 0.3574, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 190) }
```

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

```
.background{ background-color: rgb(255,  
229, 190) }
```

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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