

# Converting Colors

$Y_{xy}(80.8911, 0.3583, 0.3698)$

Have a look what the booklet for  
Yxy(80.8911, 0.3583, 0.3698)  
contains.

<b>Yxy(80.9727, 0.3581, 0.3696)</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(80.9727, 0.3581, 0.3696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5BD
RGB	255, 229, 189
RGB Percent	100%, 90%, 74%
CMY	0.0000, 0.1020, 0.2587
CMYK	0.00, 0.10, 0.26, 0.00
HSL	36°, 100%, 87%
HSV	36°, 26%, 100%
XYZ	78.4533, 80.9727, 59.6560
YIQ	232.2140, 28.3360, -6.9280

# Conversions

## Conversions Part 2

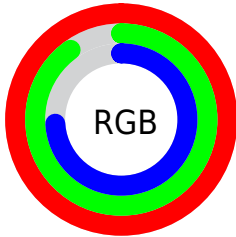
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 189
Decimal	16770493
CIE <sub>Lab</sub>	92.12, 2.99, 22.76
CIE <sub>LCh</sub>	92, 22.954, 82.514
Yxy	80.9727, 0.3581, 0.3696
Android (android.graphics.Color)	4294960573 (0xFFFFE5BD)
YUV	232.2140, -21.3045, 19.9833
Hunter-Lab	89.9848, -1.8483, 23.6827

# Details

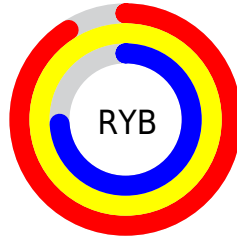
The Yxy color **80.9727, 0.3581, 0.3696** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.6624, 0.2706, 0.2847**, and the grayscale version is **81.0116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **44.0554, 0.3681, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **74.5576, 0.3790, 0.3859**, and if you desaturate by 10%, it is **87.9035, 0.3390, 0.3534**.

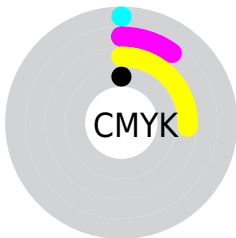
# Distribution



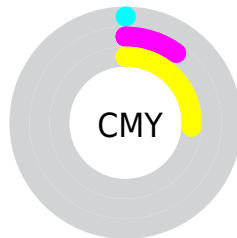
- Red (100%)
- Green (90%)
- Blue (74%)



- Red (91%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (10%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9727, 0.3581, 0.3696 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 80.9727, 0.3581, 0.3696 by changing the saturation by 10% instead.




 80.9727, 0.3581,  
0.3696

 80.9727, 0.3581,  
0.3696


498.2049, 0.3375,  
0.3514

 60.5191, 0.3627,  
0.3736

 134.7324, 0.3510,  
0.3634

 43.8372, 0.3683,  
0.3785

168.8074, 0.3483,  
0.3610

 30.5425, 0.3753,  
0.3845


208.1916, 0.3459,  
0.3588

 20.2508, 0.3842,  
0.3921

253.2694, 0.3438,  
0.3570

 12.5774, 0.3959,  
0.4020

304.4252, 0.3419,  
0.3553

 7.1382, 0.4120,  
0.4152

362.0435, 0.3403,

 3.5487, 0.4348,

0.3539

0.4334

426.5086, 0.3388,  
0.3526

■ 1.4245, 0.5056,  
0.4944

■ 0.2346, 0.5578,  
0.4422

■ 80.9727, 0.3581,  
0.3696

■ 80.9727, 0.3581,  
0.3696

■ 74.5576, 0.3790,  
0.3859

■ 87.9035, 0.3390,  
0.3534

■ 68.6442, 0.4013,  
0.4016

■ 95.3665, 0.3219,  
0.3378

■ 63.2154, 0.4247,  
0.4157

100.0000, 0.3127,  
0.3290

■ 58.2531, 0.4480,  
0.4270

■ 53.7376, 0.4702,  
0.4344

■ 49.6465, 0.4900,  
0.4368

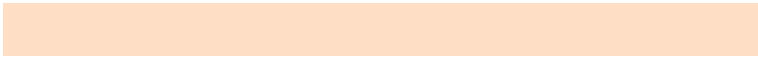
■ 45.9535, 0.5063,  
0.4338

■ 44.5305, 0.5123,  
0.4314

# Harmonies

## Analogous

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



80.9727, 0.3659, 0.3523



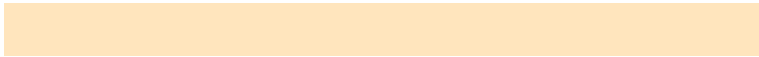
80.9727, 0.3581, 0.3696



80.9727, 0.3380, 0.3766

# Triad

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



80.9727, 0.3581, 0.3696



80.9727, 0.2686, 0.3250



80.9727, 0.3119, 0.2925

# Complementary

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



80.9727, 0.3581, 0.3696



66.6624, 0.2706, 0.2847

# 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.



80.9727, 0.2864, 0.2849



80.9727, 0.3581, 0.3696



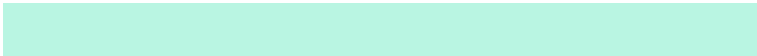
80.9727, 0.2623, 0.3023

# Square

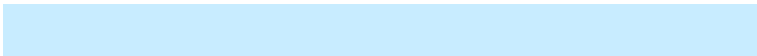
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9727, 0.3581, 0.3696



80.9727, 0.2865, 0.3502



80.9727, 0.2686, 0.2881



80.9727, 0.3386, 0.3088

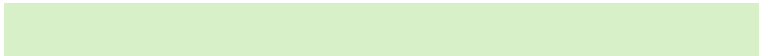


# Rectangle

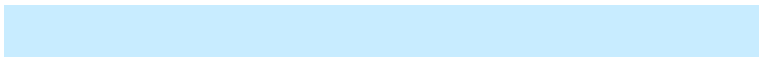
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9727, 0.3581, 0.3696



80.9727, 0.3207, 0.3735



80.9727, 0.2686, 0.2881



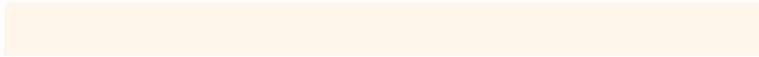
80.9727, 0.3029, 0.2889

# Sweetspot

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



80.9721, 0.3581, 0.3696



93.7312, 0.3254, 0.3411



62.5972, 0.3463, 0.3021



19.8183, 0.3279, 0.3434



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.



80.9721, 0.3581, 0.3696



77.6176, 0.3686, 0.3780



95.2258, 0.3475, 0.3949



19.8183, 0.3279, 0.3434



23.5676, 0.5103, 0.4330



2.5079, 0.4971, 0.4435



# Inverse Universe

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



66.6624, 0.2706, 0.2847



61.1236, 0.2617, 0.2744



55.3154, 0.2723, 0.2556



18.5524, 0.2979, 0.3142



8.8577, 0.1678, 0.1242



1.0681, 0.1740, 0.1465



# Previews

## White Background



This preview shows how the Yxy color 80.9727, 0.3581, 0.3696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

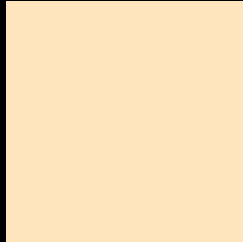
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9727, 0.3581, 0.3696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

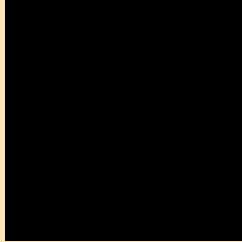
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9727, 0.3581, 0.3696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9727, 0.3581, 0.3696.



This preview shows how white text looks on a background with the Yxy color 80.9727, 0.3581, 0.3696.

# 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

80.9727, 0.3581, 0.3696

### Protanopia

81.0238, 0.3501, 0.3725

### Deuteranopia

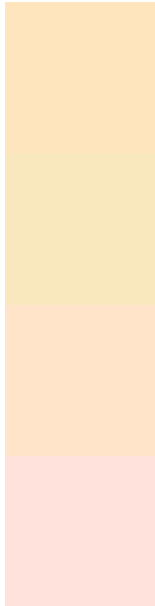
80.8016, 0.3447, 0.3472



## Tritanopia

80.7444, 0.3253, 0.3152

# Trichromacy



## Original Color

80.9727, 0.3581, 0.3696

## Protanomaly

81.0093, 0.3525, 0.3712

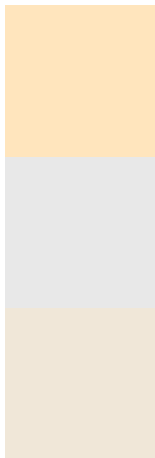
## Deuteranomaly

81.0111, 0.3494, 0.3554

## Tritanomaly

80.8200, 0.3373, 0.3351

# Monochromacy



## Original Color

80.9727, 0.3581, 0.3696

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.6350, 0.3286, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9727, 0.3581, 0.3696 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9727, 0.3581, 0.3696 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, 189) }
```

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

```
.border{ border-color:rgb(255, 229, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9727, 0.3581, 0.3696 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
229, 189) }
```

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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