

# Converting Colors

$Y_{xy}(78.3860, 0.3711, 0.3995)$

Have a look what the booklet for  
Yxy(78.3860, 0.3711, 0.3995)  
contains.

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# **Color**

**Yxy(78.3860, 0.3711, 0.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E5A1
RGB	247, 229, 161
RGB Percent	97%, 90%, 63%
CMY	0.0313, 0.1020, 0.3686
CMYK	0.00, 0.07, 0.35, 0.03
HSL	47°, 84%, 80%
HSV	47°, 35%, 97%
XYZ	72.8136, 78.3860, 45.0106
YIQ	226.6300, 32.5560, -17.3320

# Conversions

## Conversions Part 2

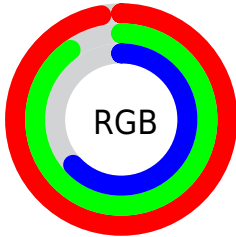
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 247, 161
Decimal	16246177
CIE <sub>Lab</sub>	90.96, -3.51, 35.42
CIE <sub>LCh</sub>	91, 35.593, 95.663
Yxy	78.3860, 0.3711, 0.3995
Android (android.graphics.Color)	4294436257 (0xFFF7E5A1)
YUV	226.6300, -32.3556, 17.8645
Hunter-Lab	88.5359, -8.1359, 31.8327

# Details

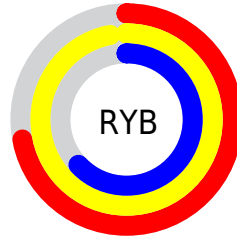
The Yxy color **78.3860, 0.3711, 0.3995** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.5394, 0.2524, 0.2467**, and the grayscale version is **76.7581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **42.1950, 0.3825, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **74.7823, 0.3892, 0.4192**, and if you desaturate by 10%, it is **82.2543, 0.3532, 0.3790**.

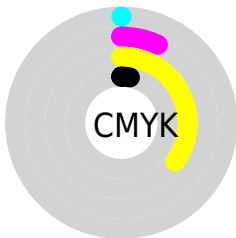
# Distribution



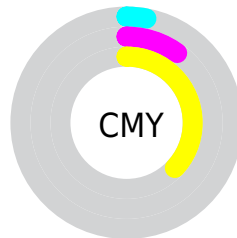
- Red (97%)
- Green (90%)
- Blue (63%)



- Red (72%)
- Yellow (97%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (3%)




- Cyan (3%)
- Magenta (10%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3860, 0.3711, 0.3995 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 78.3860, 0.3711, 0.3995 by changing the saturation by 10% instead.




 78.3860, 0.3711,  
0.3995


 78.3860, 0.3711,  
0.3995


489.4767, 0.3450,  
0.3675

 58.3911, 0.3768,  
0.4066


 131.0941, 0.3623,  
0.3886

 42.1232, 0.3835,  
0.4151


 164.5761, 0.3588,  
0.3843

 29.1977, 0.3918,  
0.4256


203.3227, 0.3557,  
0.3805

 19.2305, 0.4020,  
0.4388

247.7181, 0.3530,  
0.3773

 11.8369, 0.4147,  
0.4556

298.1468, 0.3507,  
0.3744

 6.6327, 0.4303,  
0.4772

354.9933, 0.3486,

 3.2335, 0.4668,

0.3718

418.6418, 0.3467,  
0.3696

0.5251

1.2548, 0.4643,  
0.5357

0.1058, 0.1229,  
0.8771

78.3860, 0.3711,  
0.3995

78.3860, 0.3711,  
0.3995

74.7823, 0.3892,  
0.4192

82.2543, 0.3532,  
0.3790

71.4216, 0.4070,  
0.4370

86.3865, 0.3361,  
0.3584

68.2953, 0.4235,  
0.4520

90.7957, 0.3200,  
0.3383

65.3902, 0.4381,  
0.4631

95.1770, 0.3079,  
0.3239

■ 62.6906, 0.4501,  
0.4696

■ 98.4308, 0.3078,  
0.3289

■ 60.1777, 0.4591,  
0.4713

■ 98.5166, 0.3078,  
0.3290

■ 58.9353, 0.4628,  
0.4707

# Harmonies

## Analogous

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



78.3860, 0.3935, 0.3768



78.3860, 0.3711, 0.3995



78.3860, 0.3337, 0.4031

# Triad

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



78.3860, 0.3711, 0.3995



78.3860, 0.2385, 0.3047



78.3860, 0.3297, 0.2829

# Complementary

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



78.3860, 0.3711, 0.3995



46.5394, 0.2524, 0.2467

# 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.



78.3860, 0.2877, 0.2652



78.3860, 0.3711, 0.3995



78.3860, 0.2374, 0.2753

# Square

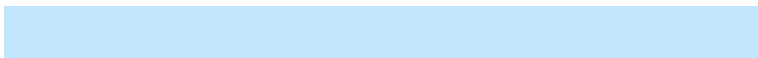
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3860, 0.3711, 0.3995



78.3860, 0.2579, 0.3448



78.3860, 0.2548, 0.2620



78.3860, 0.3692, 0.3111

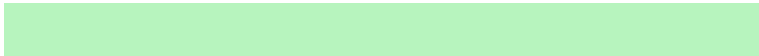


# Rectangle

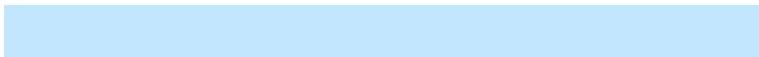
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3860, 0.3711, 0.3995



78.3860, 0.3058, 0.3921



78.3860, 0.2548, 0.2620



78.3860, 0.3153, 0.2756

# Sweetspot

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



78.3896, 0.3711, 0.3995



95.1052, 0.3282, 0.3487



48.5478, 0.3776, 0.3090



20.2144, 0.3305, 0.3515



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.



78.3896, 0.3711, 0.3995



81.4309, 0.3842, 0.4139



84.7345, 0.3481, 0.4213



18.6898, 0.3274, 0.3476



31.3778, 0.4619, 0.4714



2.9020, 0.4555, 0.4765



# Inverse Universe

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



46.5394, 0.2524, 0.2467



42.3791, 0.2383, 0.2260



42.5675, 0.2671, 0.2291



16.4889, 0.2979, 0.3097



5.0014, 0.1559, 0.0812

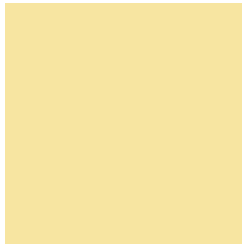


0.5820, 0.1620, 0.1030



# Previews

## White Background



This preview shows how the Yxy color 78.3860, 0.3711, 0.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

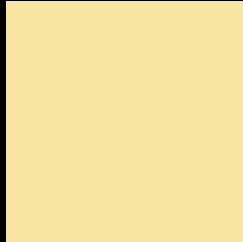
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3860, 0.3711, 0.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

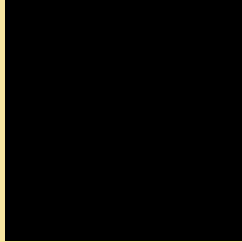
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3860, 0.3711, 0.3995**

## Background



This preview shows how black text looks on a background with the Yxy color 78.3860, 0.3711, 0.3995.

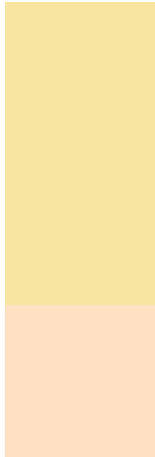


This preview shows how white text looks on a background with the Yxy color 78.3860, 0.3711, 0.3995.

# 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

78.3860, 0.3711, 0.3995

### Protanopia

78.3860, 0.3711, 0.3995

### Deuteranopia

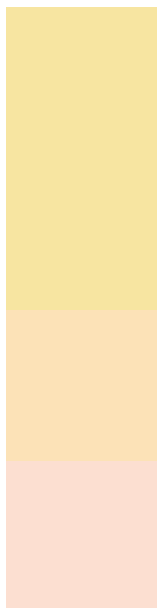
78.5114, 0.3551, 0.3586



## Tritanopia

78.5025, 0.3270, 0.3132

# Trichromacy



## Original Color

78.3860, 0.3711, 0.3995

## Protanomaly

78.3860, 0.3711, 0.3995

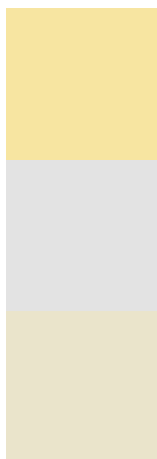
## Deuteranomaly

78.5071, 0.3608, 0.3732

## Tritanomaly

78.0742, 0.3432, 0.3433

# Monochromacy



## Original Color

78.3860, 0.3711, 0.3995

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.2910, 0.3334, 0.3556

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3860, 0.3711, 0.3995 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(247, 229, 161)` looks like.

```
.text, #text, p{  
    color:rgb(247, 229, 161)  
}
```

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(247, 229, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3860, 0.3711, 0.3995 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(247, 229, 161) }
```

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

```
.border{ border-color:rgb(247, 229, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 229, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 229, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 229, 161);  
box-shadow:4px 4px 4px 4px rgb(247, 229,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3860, 0.3711, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 229, 161) }
```

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

```
.background{ background-color: rgb(247,  
229, 161) }
```

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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