

# Converting Colors

$Yxy(79.9624, 0.3447, 0.3590)$

Have a look what the booklet for  
Yxy(79.9624, 0.3447, 0.3590)  
contains.

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# Color

**Yxy(79.9829, 0.3447, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E5C8
RGB	247, 229, 200
RGB Percent	97%, 90%, 78%
CMY	0.0314, 0.1019, 0.2158
CMYK	0.00, 0.07, 0.19, 0.03
HSL	37°, 75%, 88%
HSV	37°, 19%, 97%
XYZ	76.7970, 79.9829, 66.0137
YIQ	231.0760, 20.0370, -5.2030

# Conversions

## Conversions Part 2

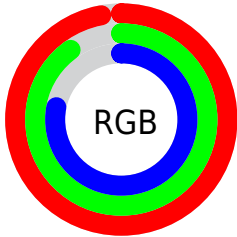
Format	Color
R <sub>Y</sub> B	229, 247, 200
Decimal	16246216
CIE Lab	91.68, 1.57, 16.38
CIE LCh	92, 16.453, 84.513
Yxy	79.9829, 0.3447, 0.3590
Android (android.graphics.Color)	4294436296 (0xFFFF7E5C8)
YUV	231.0760, -15.3205, 13.9653
Hunter-Lab	89.4332, -3.2287, 18.8392

# Details

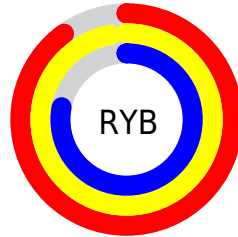
The Yxy color **79.9829, 0.3447, 0.3590** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.1059, 0.2822, 0.2971**, and the grayscale version is **80.0755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2946, 0.3516, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **73.8382, 0.3642, 0.3756**, and if you desaturate by 10%, it is **86.6056, 0.3271, 0.3429**.

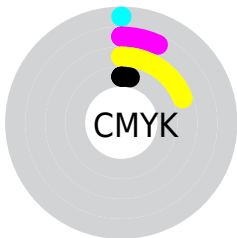
# Distribution



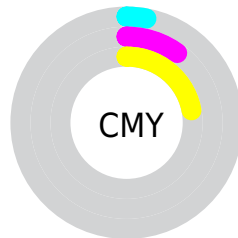
- Red (97%)
- Green (90%)
- Blue (78%)



- Red (90%)
- Yellow (97%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (19%)
- Black (3%)




- Cyan (3%)
- Magenta (10%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9829, 0.3447, 0.3590 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 79.9829, 0.3447, 0.3590 by changing the saturation by 10% instead.




 79.9829, 0.3447,  
0.3590

 79.9829, 0.3447,  
0.3590

494.8752, 0.3301,  
0.3454

 59.7043, 0.3480,  
0.3620

133.3417, 0.3397,  
0.3543

 43.1803, 0.3520,  
0.3657

167.1907, 0.3377,  
0.3525

 30.0266, 0.3570,  
0.3703


206.3319, 0.3360,  
0.3509

 19.8588, 0.3635,  
0.3763

251.1497, 0.3346,  
0.3496

 12.2924, 0.3721,  
0.3841

302.0285, 0.3333,  
0.3483

 6.9432, 0.3841,  
0.3950

359.3528, 0.3321,

 3.4266, 0.4020,

0.3473

0.4109

423.5069, 0.3311,  
0.3463

■ 1.3583, 0.4531,  
0.4583

■ 0.1857, 0.5365,  
0.4635

■ 79.9829, 0.3447,  
0.3590

■ 79.9829, 0.3447,  
0.3590

■ 73.8382, 0.3642,  
0.3756

■ 86.6056, 0.3271,  
0.3429

■ 68.1474, 0.3853,  
0.3920

■ 93.7084, 0.3113,  
0.3276

■ 62.8998, 0.4077,  
0.4075

■ 98.5127, 0.3078,  
0.3290

■ 58.0801, 0.4307,  
0.4211

■ 53.6717, 0.4533,  
0.4316

■ 49.6561, 0.4743,  
0.4378

■ 46.0123, 0.4925,  
0.4389

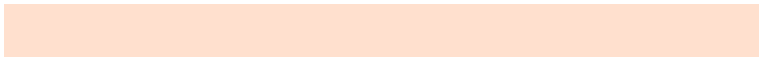
■ 42.7111, 0.5073,  
0.4348

■ 42.4086, 0.5087,  
0.4343

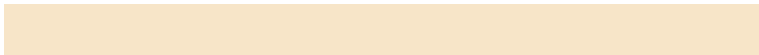
# Harmonies

## Analogous

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



79.9829, 0.3508, 0.3472



79.9829, 0.3447, 0.3590



79.9829, 0.3300, 0.3629

# Triad

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



79.9829, 0.3447, 0.3590



79.9829, 0.2802, 0.3252



79.9829, 0.3136, 0.3030

# Complementary

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



79.9829, 0.3447, 0.3590



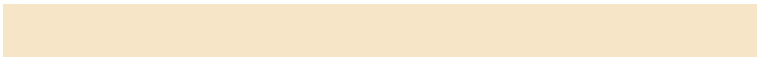
69.1059, 0.2822, 0.2971

# Split Complementary

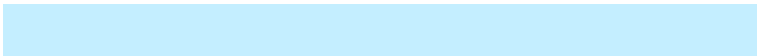
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9829, 0.2949, 0.2970



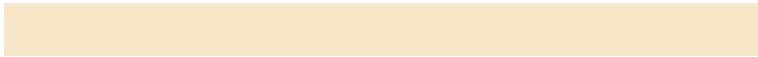
79.9829, 0.3447, 0.3590



79.9829, 0.2760, 0.3091

# Square

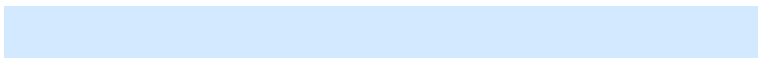
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9829, 0.3447, 0.3590



79.9829, 0.2928, 0.3431



79.9829, 0.2814, 0.2990

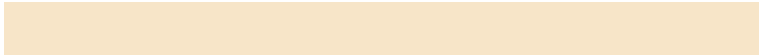


79.9829, 0.3326, 0.3153



# Rectangle

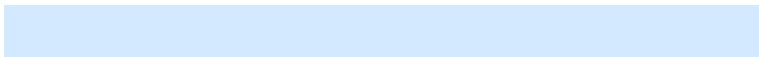
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9829, 0.3447, 0.3590



79.9829, 0.3174, 0.3602



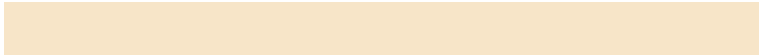
79.9829, 0.2814, 0.2990



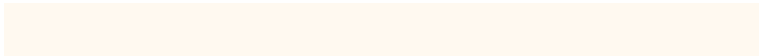
79.9829, 0.3071, 0.3001

# Sweetspot

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



79.9865, 0.3447, 0.3590



95.3775, 0.3221, 0.3382



66.1282, 0.3363, 0.3103



20.3095, 0.3232, 0.3392



0.0000, 0.0000, 0.0000

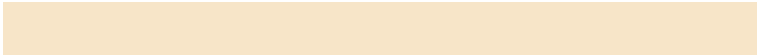


21.4041, 0.3127, 0.3290

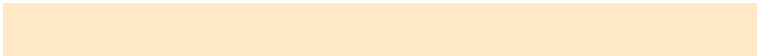


# Same Dimension

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



79.9865, 0.3447, 0.3590



83.2987, 0.3523, 0.3656



89.4750, 0.3377, 0.3771



18.1871, 0.3278, 0.3436



22.7133, 0.5068, 0.4358



2.1945, 0.4929, 0.4468



# Inverse Universe

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



69.1059, 0.2822, 0.2971



69.5487, 0.2754, 0.2895



61.0527, 0.2848, 0.2772



16.9654, 0.2980, 0.3140



8.0805, 0.1670, 0.1211

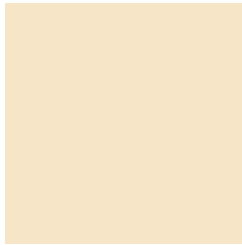


0.9024, 0.1739, 0.1459



# Previews

## White Background



This preview shows how the Yxy color 79.9829, 0.3447, 0.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

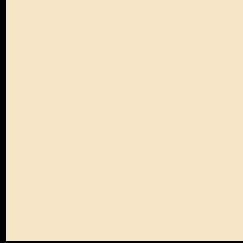
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9829, 0.3447, 0.3590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

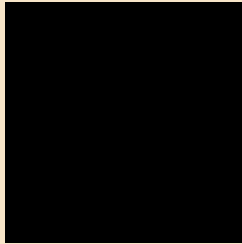
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9829, 0.3447, 0.3590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9829, 0.3447, 0.3590.



This preview shows how white text looks on a background with the Yxy color 79.9829, 0.3447, 0.3590.

# 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

79.9829, 0.3447, 0.3590

### Protanopia

80.2461, 0.3400, 0.3603

### Deuteranopia

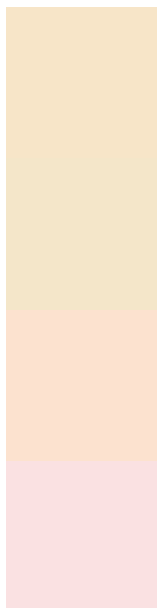
79.8136, 0.3437, 0.3432



## Tritanopia

79.8217, 0.3213, 0.3112

# Trichromacy



## Original Color

79.9829, 0.3447, 0.3590

## Protanomaly

80.0438, 0.3416, 0.3591

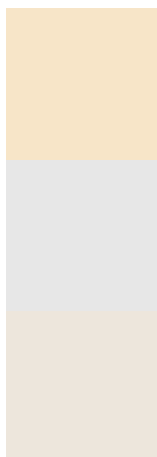
## Deuteranomaly

79.5932, 0.3441, 0.3484

## Tritanomaly

79.6654, 0.3297, 0.3280

# Monochromacy



## Original Color

79.9829, 0.3447, 0.3590

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.7655, 0.3240, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9829, 0.3447, 0.3590 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(247, 229, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9829, 0.3447, 0.3590 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, 200) }
```

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

```
.border{ border-color:rgb(247, 229, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(247, 229,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9829, 0.3447, 0.3590 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, 200) }
```

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

```
.background{ background-color: rgb(247,  
229, 200) }
```

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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