

# Converting Colors

$Yxy(79.0590, 0.3428, 0.3658)$

Have a look what the booklet for  
Yxy(79.0590, 0.3428, 0.3658)  
contains.

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# **Color**

**Yxy(79.0590, 0.3428, 0.3658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E6C3
RGB	240, 230, 195
RGB Percent	94%, 90%, 76%
CMY	0.0587, 0.0980, 0.2353
CMYK	0.00, 0.04, 0.19, 0.06
HSL	47°, 60%, 85%
HSV	47°, 19%, 94%
XYZ	74.0881, 79.0590, 62.9792
YIQ	229.0000, 17.1950, -8.7650

# Conversions

## Conversions Part 2

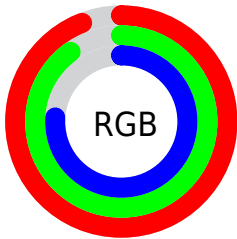
Format	Color
R <sub>Y</sub> B	208, 240, 195
Decimal	15787715
CIE Lab	91.26, -2.17, 18.29
CIE LCh	91, 18.423, 96.777
Yxy	79.0590, 0.3428, 0.3658
Android (android.graphics.Color)	4293977795 (0xFFFF0E6C3)
YUV	229.0000, -16.7620, 9.6470
Hunter-Lab	88.9151, -6.8672, 20.2451

# Details

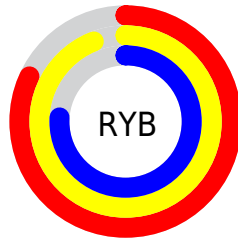
The Yxy color **79.0590, 0.3428, 0.3658** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5667, 0.2823, 0.2893**, and the grayscale version is **78.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **42.7734, 0.3499, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **75.1330, 0.3604, 0.3861**, and if you desaturate by 10%, it is **83.2578, 0.3262, 0.3458**.

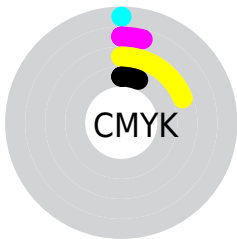
# Distribution



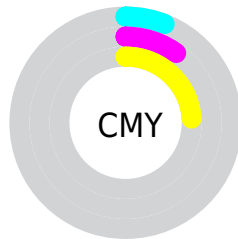
- Red (94%)
- Green (90%)
- Blue (76%)



- Red (82%)
- Yellow (94%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (6%)



- Cyan (6%)
- Magenta (10%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0590, 0.3428, 0.3658 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 79.0590, 0.3428, 0.3658 by changing the saturation by 10% instead.



79.0590, 0.3428,  
0.3658

79.0590, 0.3428,  
0.3658

491.7559, 0.3291,  
0.3490

58.9443, 0.3458,  
0.3696

132.0419, 0.3381,  
0.3600

42.5683, 0.3496,  
0.3742

165.6789, 0.3363,  
0.3577

29.5465, 0.3542,  
0.3801

204.5922, 0.3347,  
0.3558

19.4947, 0.3602,  
0.3876

249.1661, 0.3333,  
0.3541

12.0282, 0.3681,  
0.3977

299.7850, 0.3321,  
0.3526

6.7629, 0.3790,  
0.4118


356.8334, 0.3310,


3.3143, 0.3948,


0.3512


420.6955, 0.3300,  
0.3500


0.4328


 1.2979, 0.4587,  
0.5104


 0.1396, 0.3632,  
0.6368


 79.0590, 0.3428,  
0.3658


 79.0590, 0.3428,  
0.3658


 75.1330, 0.3604,  
0.3861


 83.2578, 0.3262,  
0.3458


 71.4602, 0.3786,  
0.4061

 87.7273, 0.3109,  
0.3267

 68.0341, 0.3970,  
0.4249

 91.6820, 0.3037,  
0.3202

 64.8442, 0.4147,  
0.4416

 94.9812, 0.3036,  
0.3254

■ 61.8786, 0.4311,  
0.4549

■ 97.2700, 0.3036,  
0.3290

■ 59.1240, 0.4452,  
0.4641

■ 56.5647, 0.4565,  
0.4685

■ 54.1781, 0.4650,  
0.4684

■ 53.8911, 0.4659,  
0.4682

# Harmonies

## Analogous

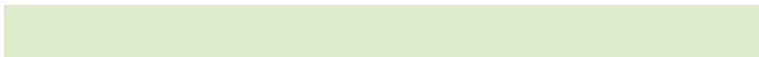
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0590, 0.3541, 0.3556



79.0590, 0.3428, 0.3658



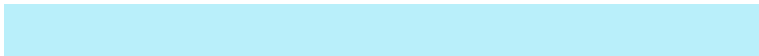
79.0590, 0.3235, 0.3660

# Triad

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



79.0590, 0.3428, 0.3658



79.0590, 0.2731, 0.3167



79.0590, 0.3227, 0.3048

# Complementary

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



79.0590, 0.3428, 0.3658



61.5667, 0.2823, 0.2893

# Split Complementary

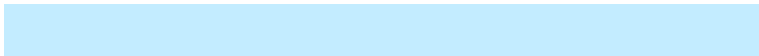
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0590, 0.3008, 0.2949



79.0590, 0.3428, 0.3658



79.0590, 0.2728, 0.3010

# Square

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



79.0590, 0.3428, 0.3658



79.0590, 0.2835, 0.3367



79.0590, 0.2828, 0.2933



79.0590, 0.3424, 0.3206

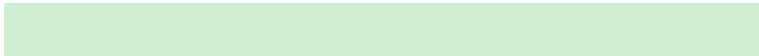


# Rectangle

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



79.0590, 0.3428, 0.3658



79.0590, 0.3090, 0.3599



79.0590, 0.2828, 0.2933



79.0590, 0.3153, 0.3007

# Sweetspot

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



79.0625, 0.3428, 0.3658



96.8988, 0.3219, 0.3405



61.9888, 0.3411, 0.3178



20.6696, 0.3229, 0.3418



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.



79.0625, 0.3428, 0.3658



88.7297, 0.3503, 0.3746



82.7728, 0.3326, 0.3770



17.8270, 0.3274, 0.3472



29.7004, 0.4650, 0.4690



2.6159, 0.4578, 0.4747



# Inverse Universe

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



61.5667, 0.2823, 0.2893



64.8054, 0.2746, 0.2789



58.5853, 0.2902, 0.2788



15.7995, 0.2980, 0.3101



5.0219, 0.1566, 0.0837

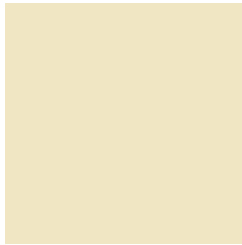


0.5616, 0.1632, 0.1073



# Previews

## White Background



This preview shows how the Yxy color 79.0590, 0.3428, 0.3658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

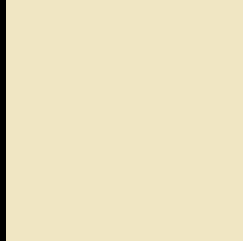
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0590, 0.3428, 0.3658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

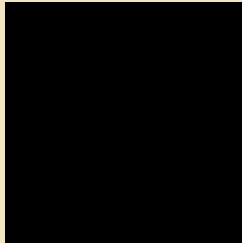
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

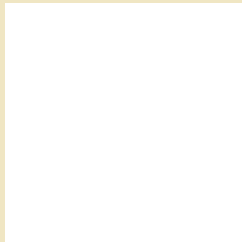
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0590, 0.3428, 0.3658**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0590, 0.3428, 0.3658.

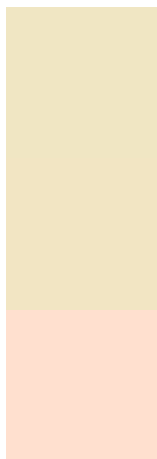


This preview shows how white text looks on a background with the Yxy color 79.0590, 0.3428, 0.3658.

# 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

79.0590, 0.3428, 0.3658

### Protanopia

78.8560, 0.3444, 0.3646

### Deuteranopia

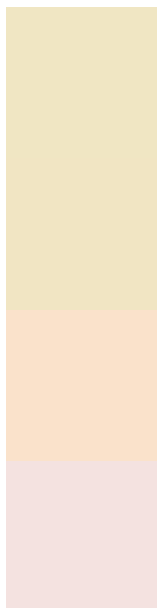
79.0763, 0.3466, 0.3463



## Tritanopia

78.7191, 0.3171, 0.3109

# Trichromacy



## Original Color

79.0590, 0.3428, 0.3658

## Protanomaly

78.6795, 0.3437, 0.3647

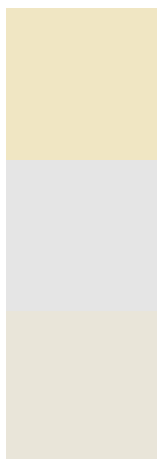
## Deuteranomaly

79.0285, 0.3454, 0.3526

## Tritanomaly

79.0076, 0.3267, 0.3311

# Monochromacy



## Original Color

79.0590, 0.3428, 0.3658

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.3720, 0.3232, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0590, 0.3428, 0.3658 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(240, 230, 195)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 195)  
}
```

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(240, 230, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0590, 0.3428, 0.3658 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(240, 230, 195) }
```

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

```
.border{ border-color:rgb(240, 230, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 230, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 195);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0590, 0.3428, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 195) }
```

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

```
.background{ background-color: rgb(240,  
230, 195) }
```

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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