

# Converting Colors

$Yxy(79.4881, 0.3479, 0.3832)$

Have a look what the booklet for  
Yxy(79.4881, 0.3479, 0.3832)  
contains.

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# Color

**Yxy(79.4881, 0.3479, 0.3832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE9B6
RGB	236, 233, 182
RGB Percent	93%, 91%, 71%
CMY	0.0746, 0.0862, 0.2864
CMYK	0.00, 0.01, 0.23, 0.07
HSL	57°, 59%, 82%
HSV	57°, 23%, 93%
XYZ	72.1657, 79.4881, 55.7786
YIQ	228.0830, 18.1590, -15.2250

# Conversions

## Conversions Part 2

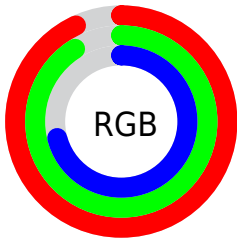
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	185, 236, 182
Decimal	15526326
CIE Lab	91.45, -7.02, 25.24
CIE LCh	91, 26.197, 105.552
Yxy	79.4881, 0.3479, 0.3832
Android (android.graphics.Color)	4293716406 (0xFFECE9B6)
YUV	228.0830, -22.7189, 6.9432
Hunter-Lab	89.1561, -11.5397, 25.3158

# Details

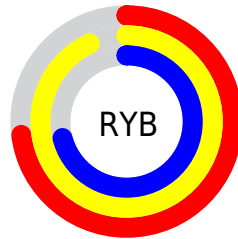
The Yxy color **79.4881, 0.3479, 0.3832** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.6653, 0.2741, 0.2683**, and the grayscale version is **77.8046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **42.7326, 0.3558, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **77.8674, 0.3636, 0.4070**, and if you desaturate by 10%, it is **81.2857, 0.3322, 0.3592**.

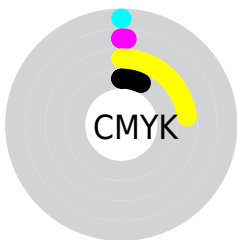
# Distribution



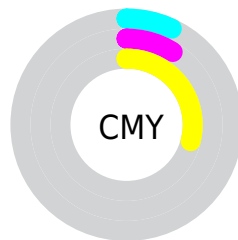
- Red (93%)
- Green (91%)
- Blue (71%)



- Red (73%)
- Yellow (93%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4881, 0.3479, 0.3832 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 79.4881, 0.3479, 0.3832 by changing the saturation by 10% instead.



■ 79.4881, 0.3479,  
0.3832

■ 79.4881, 0.3479,  
0.3832

493.2060, 0.3321,  
0.3583

■ 59.2972, 0.3513,  
0.3888

■ 132.6458, 0.3426,  
0.3746

■ 42.8524, 0.3555,  
0.3958

166.3814, 0.3404,  
0.3712

■ 29.7693, 0.3607,  
0.4044

205.4006, 0.3386,  
0.3683

■ 19.6636, 0.3671,  
0.4156

250.0880, 0.3370,  
0.3658

■ 12.1507, 0.3754,  
0.4306

300.8278, 0.3356,  
0.3636

■ 6.8464, 0.3862,  
0.4513


358.0045, 0.3343,


■ 3.3662, 0.4007,


0.3616


0.4817

422.0024, 0.3332,  
0.3598


 1.3258, 0.4417,  
0.5583


 0.1610, 0.0000,  
1.0000


 79.4881, 0.3479,  
0.3832


 79.4881, 0.3479,  
0.3832


 77.8674, 0.3636,  
0.4070


 81.2857, 0.3322,  
0.3592

 76.4046, 0.3788,  
0.4297


 83.2571, 0.3170,  
0.3356

 75.0944, 0.3929,  
0.4504


 85.4132, 0.3025,  
0.3131

 73.9269, 0.4053,  
0.4679


 86.3075, 0.3012,  
0.3122


 72.8910, 0.4153,  
0.4816

 87.0640, 0.3012,  
0.3135


 71.9740, 0.4227,  
0.4909

 87.8259, 0.3012,  
0.3148

 71.1603, 0.4273,  
0.4958

 88.5933, 0.3012,  
0.3161

 70.6274, 0.4294,  
0.4973

 89.3661, 0.3012,  
0.3174

 90.1444, 0.3012,  
0.3187

# Harmonies

## Analogous

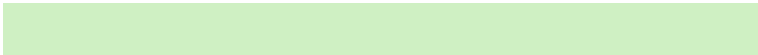
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4881, 0.3683, 0.3716



79.4881, 0.3479, 0.3832



79.4881, 0.3186, 0.3793

# Triad

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



79.4881, 0.3479, 0.3832



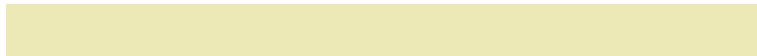
79.4881, 0.2555, 0.3035



79.4881, 0.3356, 0.3009

# Complementary

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



79.4881, 0.3479, 0.3832



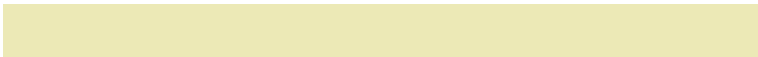
50.6653, 0.2741, 0.2683

# Split Complementary

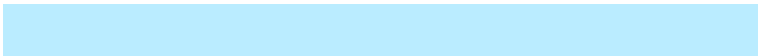
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4881, 0.3044, 0.2844



79.4881, 0.3479, 0.3832



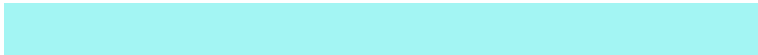
79.4881, 0.2594, 0.2848

# Square

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



79.4881, 0.3479, 0.3832



79.4881, 0.2660, 0.3310



79.4881, 0.2769, 0.2784



79.4881, 0.3614, 0.3242

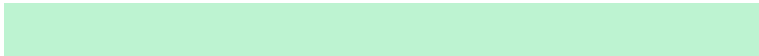


# Rectangle

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



79.4881, 0.3479, 0.3832



79.4881, 0.2982, 0.3677



79.4881, 0.2769, 0.2784



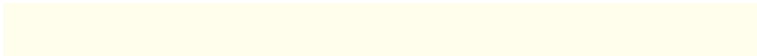
79.4881, 0.3253, 0.2944

# Sweetspot

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



79.4917, 0.3479, 0.3832



98.2807, 0.3232, 0.3453



54.7998, 0.3567, 0.3251



21.0055, 0.3241, 0.3467



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.



79.4917, 0.3479, 0.3832



93.9478, 0.3546, 0.3933



77.4353, 0.3305, 0.3893



17.4772, 0.3269, 0.3510



39.0042, 0.4292, 0.4974



3.1061, 0.4277, 0.4986



# Inverse Universe

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



50.6653, 0.2741, 0.2683



54.4715, 0.2659, 0.2553



52.5311, 0.2913, 0.2678



14.6813, 0.2980, 0.3060



3.5536, 0.1510, 0.0635

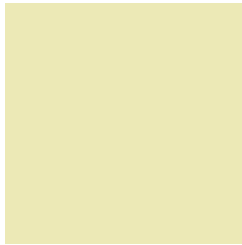


0.3258, 0.1536, 0.0728



# Previews

## White Background



This preview shows how the Yxy color 79.4881, 0.3479, 0.3832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

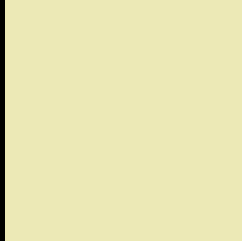
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4881, 0.3479, 0.3832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

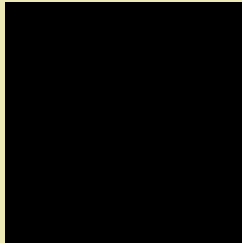
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

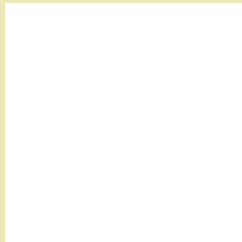
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.4881, 0.3479, 0.3832**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4881, 0.3479, 0.3832.



This preview shows how white text looks on a background with the Yxy color 79.4881, 0.3479, 0.3832.

# 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

79.4881, 0.3479, 0.3832

### Protanopia

79.3423, 0.3559, 0.3801

### Deuteranopia

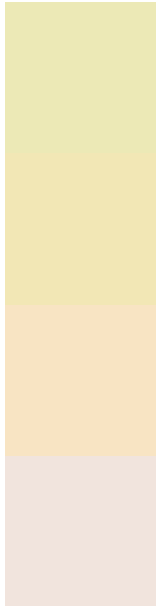
79.4222, 0.3493, 0.3514



## Tritanopia

79.5546, 0.3143, 0.3109

# Trichromacy



**Original Color**

79.4881, 0.3479, 0.3832

**Protanomaly**

79.3653, 0.3534, 0.3815

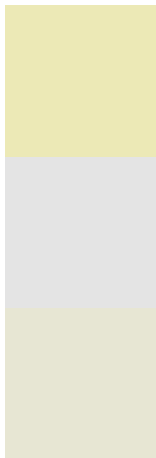
**Deuteranomaly**

79.3834, 0.3490, 0.3631

**Tritanomaly**

79.4080, 0.3264, 0.3363

# Monochromacy



**Original Color**

79.4881, 0.3479, 0.3832

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

78.2857, 0.3257, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4881, 0.3479, 0.3832 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(236, 233, 182)` looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 182)  
}
```

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(236, 233, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4881, 0.3479, 0.3832 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(236, 233, 182) }
```

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

```
.border{ border-color:rgb(236, 233, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 182);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4881, 0.3479, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 182) }
```

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

```
.background{ background-color: rgb(236,  
233, 182) }
```

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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