

# Converting Colors

$Yxy(77.4442, 0.3377, 0.3808)$

Have a look what the booklet for  
Yxy(77.4442, 0.3377, 0.3808)  
contains.

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# Color

**Yxy(77.7882, 0.3380, 0.3813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E9B9
RGB	225, 233, 185
RGB Percent	88%, 91%, 73%
CMY	0.1175, 0.0863, 0.2746
CMYK	0.03, 0.00, 0.21, 0.09
HSL	70°, 52%, 82%
HSV	70°, 21%, 91%
XYZ	68.9547, 77.7882, 57.2650
YIQ	225.1360, 10.6400, -16.6240

# Conversions

## Conversions Part 2

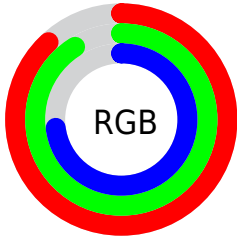
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 233, 193
Decimal	14805433
CIE <sub>Lab</sub>	90.68, -10.57, 22.50
CIE <sub>LCh</sub>	91, 24.856, 115.158
Yxy	77.7882, 0.3380, 0.3813
Android (android.graphics.Color)	4292995513 (0xFFE1E9B9)
YUV	225.1360, -19.7870, -0.1193
Hunter-Lab	88.1976, -14.7910, 23.2425

# Details

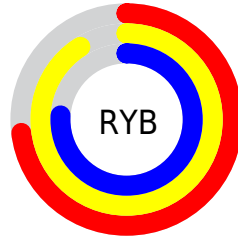
The Yxy color **77.7882, 0.3380, 0.3813** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.8992, 0.2841, 0.2729**, and the grayscale version is **75.5422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **41.5452, 0.3428, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **76.2736, 0.3501, 0.4077**, and if you desaturate by 10%, it is **79.4850, 0.3256, 0.3554**.

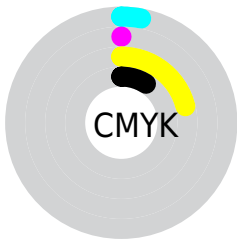
# Distribution



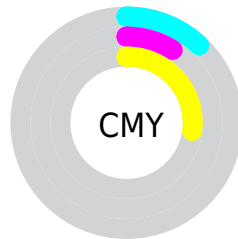
- Red (88%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7882, 0.3380, 0.3813 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 77.7882, 0.3380, 0.3813 by changing the saturation by 10% instead.




 77.7882, 0.3380,  
0.3813

 77.7882, 0.3380,  
0.3813


487.4472, 0.3267,  
0.3569

 57.9000, 0.3405,  
0.3869

 130.2515, 0.3342,  
0.3728

 41.7283, 0.3434,  
0.3938

163.5954, 0.3327,  
0.3695

 28.8886, 0.3470,  
0.4025

202.1933, 0.3314,  
0.3667

 18.9965, 0.3516,  
0.4139

246.4297, 0.3302,  
0.3643

 11.6678, 0.3574,  
0.4294

296.6889, 0.3292,  
0.3621

 6.5179, 0.3649,  
0.4513


353.3553, 0.3283,


 3.1625, 0.3743,

0.3602

0.4846


416.8132, 0.3275,  
0.3585

 1.2171, 0.4158,  
0.5842


 0.0756, 0.0000,  
1.0000


 77.7882, 0.3380,  
0.3813


 77.7882, 0.3380,  
0.3813

 76.2736, 0.3501,  
0.4077


 79.4850, 0.3256,  
0.3554


 74.9228, 0.3616,  
0.4337

 81.3610, 0.3134,  
0.3305

 73.7308, 0.3718,  
0.4583


 83.4266, 0.3017,  
0.3071

 72.6881, 0.3802,  
0.4805

 84.1048, 0.3041,  
0.3071


 71.7842, 0.3864,  
0.4991

 84.7892, 0.3067,  
0.3073


 71.0071, 0.3900,  
0.5134

 85.4881, 0.3092,  
0.3075

 70.3425, 0.3910,  
0.5231

 86.2016, 0.3118,  
0.3076

 69.7983, 0.3899,  
0.5286

 86.7555, 0.3137,  
0.3078

# Harmonies

## Analogous

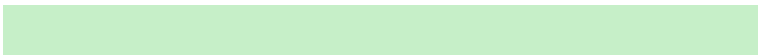
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7882, 0.3610, 0.3747



77.7882, 0.3380, 0.3813



77.7882, 0.3089, 0.3724

# Triad

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



77.7882, 0.3380, 0.3813



77.7882, 0.2576, 0.2978



77.7882, 0.3435, 0.3087

# Complementary

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



77.7882, 0.3380, 0.3813



51.8992, 0.2841, 0.2729

# Split Complementary

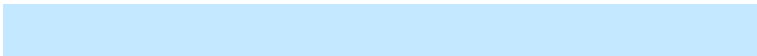
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7882, 0.3144, 0.2904



77.7882, 0.3380, 0.3813



77.7882, 0.2657, 0.2834

# Square

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



77.7882, 0.3380, 0.3813



77.7882, 0.2633, 0.3220



77.7882, 0.2861, 0.2812



77.7882, 0.3646, 0.3324

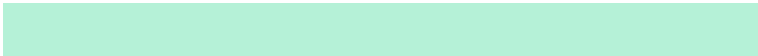


# Rectangle

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



77.7882, 0.3380, 0.3813



77.7882, 0.2901, 0.3586



77.7882, 0.2861, 0.2812



77.7882, 0.3342, 0.3018

# Sweetspot

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



77.7916, 0.3380, 0.3813



98.5760, 0.3200, 0.3438



58.6027, 0.3524, 0.3371



21.0672, 0.3208, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

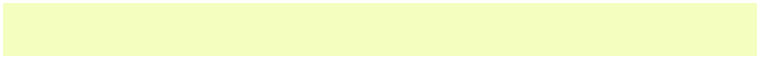


# Same Dimension

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



77.7916, 0.3380, 0.3813



94.6046, 0.3435, 0.3932



74.3036, 0.3215, 0.3841



17.4934, 0.3242, 0.3525



39.6533, 0.3904, 0.5282



3.1473, 0.3946, 0.5249



# Inverse Universe

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



51.8992, 0.2841, 0.2729



57.1207, 0.2767, 0.2590



55.1987, 0.3019, 0.2757



14.6688, 0.3006, 0.3048



3.6141, 0.1573, 0.0640

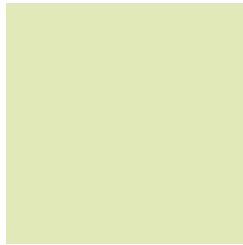


0.3194, 0.1687, 0.0703



# Previews

## White Background



This preview shows how the Yxy color 77.7882, 0.3380, 0.3813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

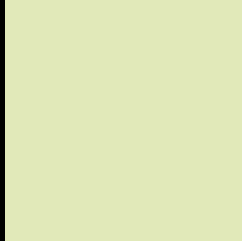
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7882, 0.3380, 0.3813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

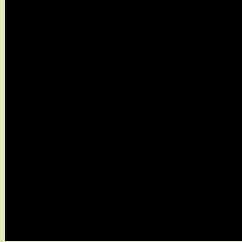
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

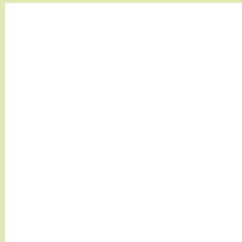
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.7882, 0.3380, 0.3813**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7882, 0.3380, 0.3813.

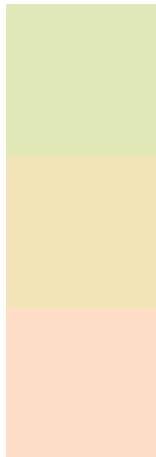


This preview shows how white text looks on a background with the Yxy color 77.7882, 0.3380, 0.3813.

# 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

77.7882, 0.3380, 0.3813

### Protanopia

77.7414, 0.3535, 0.3774

### Deuteranopia

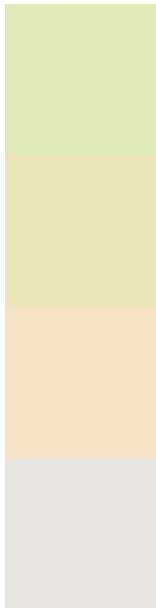
77.6727, 0.3520, 0.3515



## Tritanopia

77.6451, 0.3067, 0.3105

# Trichromacy



## Original Color

77.7882, 0.3380, 0.3813

## Protanomaly

77.8454, 0.3479, 0.3791

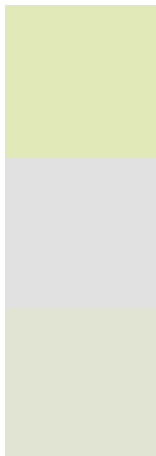
## Deuteranomaly

77.5659, 0.3465, 0.3614

## Tritanomaly

77.5837, 0.3180, 0.3354

# Monochromacy



## Original Color

77.7882, 0.3380, 0.3813

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.1475, 0.3223, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7882, 0.3380, 0.3813 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(225, 233, 185)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 185)  
}
```

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(225, 233, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7882, 0.3380, 0.3813 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(225, 233, 185) }
```

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

```
.border{ border-color:rgb(225, 233, 185) }
```

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

Here you see how a box with a 4 pixel rgb(225, 233, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 185);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7882, 0.3380, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 185) }
```

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

```
.background{ background-color: rgb(225,  
233, 185) }
```

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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