

# Converting Colors

Yxy(78.9746, 0.3311, 0.3619)

Have a look what the booklet for  
Yxy(78.9746, 0.3311, 0.3619)  
contains.

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# Color

**Yxy(78.7533, 0.3313, 0.3622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E8C9
RGB	230, 232, 201
RGB Percent	90%, 91%, 79%
CMY	0.0979, 0.0902, 0.2119
CMYK	0.01, 0.00, 0.13, 0.09
HSL	64°, 40%, 85%
HSV	64°, 13%, 91%
XYZ	72.0347, 78.7533, 66.6424
YIQ	227.8680, 8.7590, -10.0650

# Conversions

## Conversions Part 2

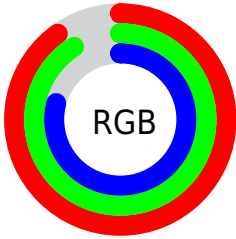
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 232, 203
Decimal	15132873
CIE <sub>Lab</sub>	91.12, -5.87, 14.89
CIE <sub>LCh</sub>	91, 16.000, 111.517
Yxy	78.7533, 0.3313, 0.3622
Android (android.graphics.Color)	4293322953 (0xFFE6E8C9)
YUV	227.8680, -13.2459, 1.8698
Hunter-Lab	88.7431, -10.4080, 17.5958

# Details

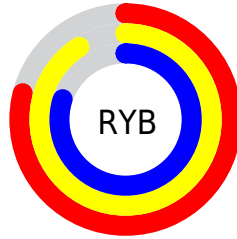
The Yxy color **78.7533, 0.3313, 0.3622** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2743, 0.2928, 0.2938**, and the grayscale version is **77.5782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1559, 0.3351, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **77.5025, 0.3454, 0.3878**, and if you desaturate by 10%, it is **80.1779, 0.3173, 0.3372**.

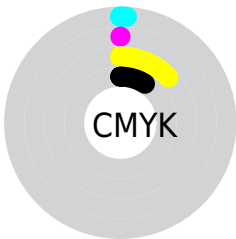
# Distribution



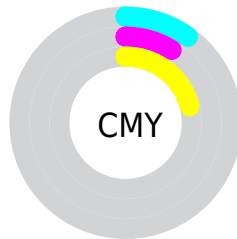
- Red (90%)
- Green (91%)
- Blue (79%)



- Red (79%)
- Yellow (91%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)




- Cyan (10%)
- Magenta (9%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7533, 0.3313, 0.3622 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 78.7533, 0.3313, 0.3622 by changing the saturation by 10% instead.



 78.7533, 0.3313,  
0.3622

 78.7533, 0.3313,  
0.3622

490.7214, 0.3229,  
0.3469

 58.6930, 0.3332,  
0.3657

131.6115, 0.3284,  
0.3569

 42.3660, 0.3354,  
0.3700


165.1782, 0.3273,  
0.3548

 29.3880, 0.3383,  
0.3754


204.0158, 0.3263,  
0.3530

 19.3745, 0.3419,  
0.3825

248.5087, 0.3255,  
0.3515

 11.9412, 0.3467,  
0.3921

299.0413, 0.3247,  
0.3501

 6.7037, 0.3533,  
0.4059

355.9980, 0.3241,

 3.2775, 0.3628,

0.3489

0.4270

419.7633, 0.3235,  
0.3478

■ 1.2783, 0.3974,  
0.4880

■ 0.1243, 0.0000,  
1.0000

■ 78.7533, 0.3313,  
0.3622

■ 78.7533, 0.3313,  
0.3622

■ 77.5025, 0.3454,  
0.3878

■ 80.1779, 0.3173,  
0.3372

■ 76.4079, 0.3593,  
0.4132

■ 81.7730, 0.3039,  
0.3133


■ 75.4650, 0.3723,  
0.4376


■ 82.5047, 0.3002,  
0.3058


■ 74.6651, 0.3840,  
0.4598


■ 82.7568, 0.3012,  
0.3059


 73.9987, 0.3937,  
0.4790


 83.0109, 0.3022,  
0.3060


 73.4552, 0.4010,  
0.4943


 83.2671, 0.3031,  
0.3061


 73.0223, 0.4056,  
0.5052

 83.5254, 0.3041,  
0.3061

 72.6849, 0.4077,  
0.5117

 83.7859, 0.3051,  
0.3062

 72.4986, 0.4081,  
0.5142

 84.0485, 0.3060,  
0.3063

# Harmonies

## Analogous

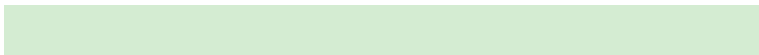
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7533, 0.3450, 0.3575



78.7533, 0.3313, 0.3622



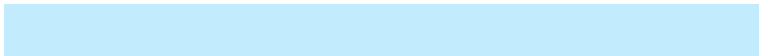
78.7533, 0.3129, 0.3575

# Triad

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



78.7533, 0.3313, 0.3622



78.7533, 0.2768, 0.3109



78.7533, 0.3304, 0.3142

# Complementary

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



78.7533, 0.3313, 0.3622



60.2743, 0.2928, 0.2938

# Split Complementary

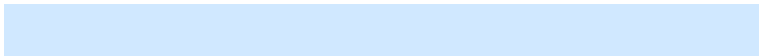
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7533, 0.3117, 0.3026



78.7533, 0.3313, 0.3622



78.7533, 0.2811, 0.3004

# Square

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



78.7533, 0.3313, 0.3622



78.7533, 0.2818, 0.3271



78.7533, 0.2937, 0.2975



78.7533, 0.3446, 0.3296



# Rectangle

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



78.7533, 0.3313, 0.3622



78.7533, 0.3005, 0.3495



78.7533, 0.2937, 0.2975



78.7533, 0.3244, 0.3098

# Sweetspot

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



78.7568, 0.3313, 0.3622



99.2372, 0.3182, 0.3388



63.8576, 0.3370, 0.3308



21.2110, 0.3193, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

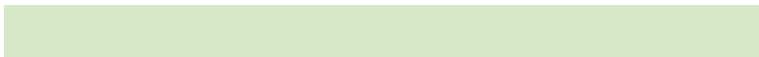
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7568, 0.3313, 0.3622



97.1553, 0.3351, 0.3691



76.3669, 0.3207, 0.3633



16.7680, 0.3258, 0.3523



40.2688, 0.4083, 0.5140



2.9899, 0.4100, 0.5127



# Inverse Universe

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



60.2743, 0.2928, 0.2938



70.1357, 0.2883, 0.2860



62.4963, 0.3038, 0.2950



13.9308, 0.2990, 0.3048



3.3082, 0.1520, 0.0611

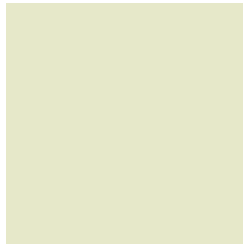


0.2600, 0.1577, 0.0642



# Previews

## White Background



This preview shows how the Yxy color 78.7533, 0.3313, 0.3622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

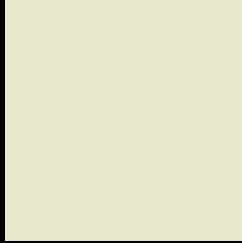
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7533, 0.3313, 0.3622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

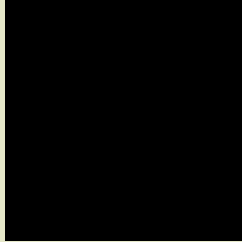
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

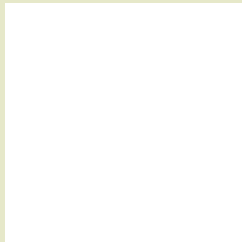
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7533, 0.3313, 0.3622**

## Background



This preview shows how black text looks on a background with the Yxy color 78.7533, 0.3313, 0.3622.

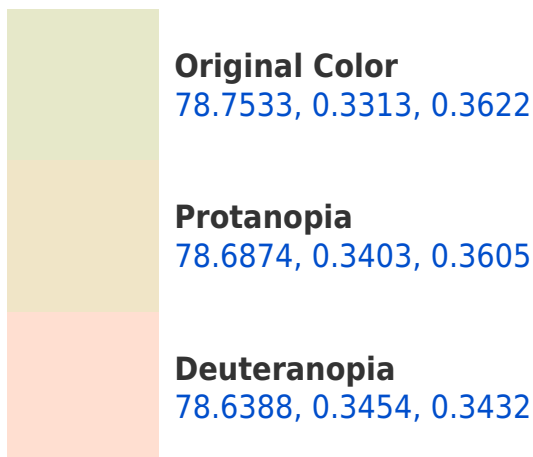


This preview shows how white text looks on a background with the Yxy color 78.7533, 0.3313, 0.3622.

# 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

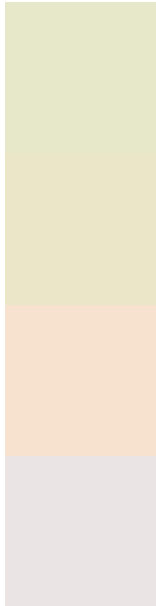




## Tritanopia

78.7572, 0.3081, 0.3106

# Trichromacy



## Original Color

78.7533, 0.3313, 0.3622

## Protanomaly

78.5966, 0.3365, 0.3608

## Deuteranomaly

78.4418, 0.3404, 0.3497

## Tritanomaly

78.5807, 0.3169, 0.3290

# Monochromacy



## Original Color

78.7533, 0.3313, 0.3622

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.7586, 0.3198, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7533, 0.3313, 0.3622 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(230, 232, 201)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 201)  
}
```

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(230, 232, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7533, 0.3313, 0.3622 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(230, 232, 201) }
```

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

```
.border{ border-color:rgb(230, 232, 201) }
```

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

Here you see how a box with a 4 pixel rgb(230, 232, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 201);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7533, 0.3313, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 201) }
```

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

```
.background{ background-color: rgb(230,  
232, 201) }
```

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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