

# Converting Colors

$Yxy(78.0727, 0.3299, 0.3599)$

Have a look what the booklet for  
Yxy(78.0727, 0.3299, 0.3599)  
contains.

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# Color

**Yxy(78.0741, 0.3300, 0.3601)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5E7CA
RGB	229, 231, 202
RGB Percent	90%, 91%, 79%
CMY	0.1020, 0.0941, 0.2077
CMYK	0.01, 0.00, 0.13, 0.09
HSL	64°, 38%, 85%
HSV	64°, 13%, 91%
XYZ	71.5481, 78.0741, 67.1901
YIQ	227.0960, 8.1170, -9.4430

# Conversions

## Conversions Part 2

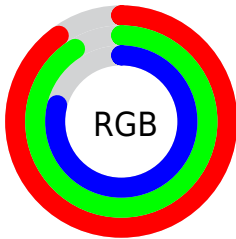
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 231, 204
Decimal	15067082
CIE Lab	90.81, -5.57, 13.89
CIE LCh	91, 14.963, 111.839
Yxy	78.0741, 0.3300, 0.3601
Android (android.graphics.Color)	4293257162 (0xFFE5E7CA)
YUV	227.0960, -12.3723, 1.6698
Hunter-Lab	88.3595, -10.0910, 16.7665

# Details

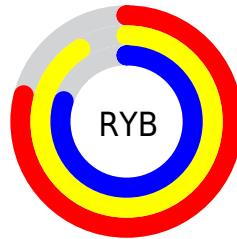
The Yxy color **78.0741, 0.3300, 0.3601** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.8668, 0.2942, 0.2962**, and the grayscale version is **76.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6823, 0.3335, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **76.7996, 0.3440, 0.3857**, and if you desaturate by 10%, it is **79.5217, 0.3162, 0.3352**.

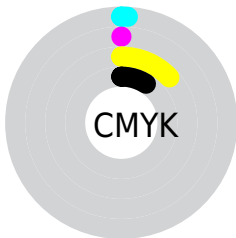
# Distribution



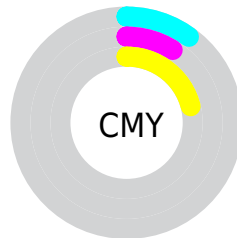
- Red (90%)
- Green (91%)
- Blue (79%)



- 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 78.0741, 0.3300, 0.3601 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 78.0741, 0.3300, 0.3601 by changing the saturation by 10% instead.




 78.0741, 0.3300,  
0.3601

 78.0741, 0.3300,  
0.3601

488.4184, 0.3222,  
0.3457

 58.1349, 0.3317,  
0.3634


130.6546, 0.3273,  
0.3551

 41.9171, 0.3339,  
0.3674

164.0646, 0.3263,  
0.3532

 29.0364, 0.3365,  
0.3725

202.7337, 0.3254,  
0.3515

 19.1083, 0.3399,  
0.3792

247.0462, 0.3246,  
0.3501

 11.7486, 0.3445,  
0.3883

297.3865, 0.3239,  
0.3488

 6.5727, 0.3507,  
0.4013


354.1390, 0.3232,


 3.1964, 0.3599,


0.3476


0.4214

417.6882, 0.3227,  
0.3466


 1.2351, 0.3924,  
0.4787

 0.0901, 0.0000,  
1.0000


 78.0741, 0.3300,  
0.3601


 78.0741, 0.3300,  
0.3601


 76.7996, 0.3440,  
0.3857


 79.5217, 0.3162,  
0.3352


 75.6807, 0.3578,  
0.4112


 81.1390, 0.3029,  
0.3114

 74.7131, 0.3708,  
0.4358


 81.8391, 0.2998,  
0.3048

 73.8881, 0.3825,  
0.4584


 82.1130, 0.3009,  
0.3049


 73.1966, 0.3923,  
0.4780


 82.3895, 0.3019,  
0.3050

 72.6280, 0.3997,  
0.4937


 82.6685, 0.3030,  
0.3050


 72.1704, 0.4045,  
0.5051

 82.9499, 0.3040,  
0.3051

 71.8092, 0.4067,  
0.5121

 83.2339, 0.3051,  
0.3052

 71.5855, 0.4070,  
0.5150

 83.5203, 0.3062,  
0.3053

# Harmonies

## Analogous

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



78.0741, 0.3429, 0.3558



78.0741, 0.3300, 0.3601



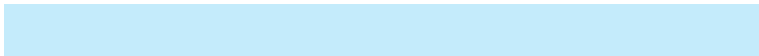
78.0741, 0.3127, 0.3556

# Triad

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



78.0741, 0.3300, 0.3601



78.0741, 0.2790, 0.3120



78.0741, 0.3295, 0.3152

# Complementary

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



78.0741, 0.3300, 0.3601



60.8668, 0.2942, 0.2962

# Split Complementary

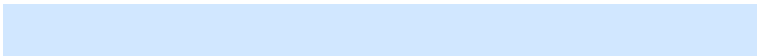
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0741, 0.3120, 0.3043



78.0741, 0.3300, 0.3601



78.0741, 0.2831, 0.3021

# Square

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



78.0741, 0.3300, 0.3601



78.0741, 0.2836, 0.3271



78.0741, 0.2951, 0.2994



78.0741, 0.3427, 0.3298



# Rectangle

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



78.0741, 0.3300, 0.3601



78.0741, 0.3011, 0.3480



78.0741, 0.2951, 0.2994



78.0741, 0.3239, 0.3110

# Sweetspot

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



78.0775, 0.3300, 0.3601



99.2255, 0.3182, 0.3388



64.4210, 0.3352, 0.3312



21.2080, 0.3192, 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.



78.0775, 0.3300, 0.3601



97.2738, 0.3336, 0.3666



75.8062, 0.3198, 0.3611



16.7633, 0.3257, 0.3523



40.1512, 0.4072, 0.5149



2.9825, 0.4091, 0.5134



# Inverse Universe

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



60.8668, 0.2942, 0.2962



71.8423, 0.2901, 0.2889



62.9974, 0.3048, 0.2972



13.9350, 0.2991, 0.3048



3.3160, 0.1523, 0.0612

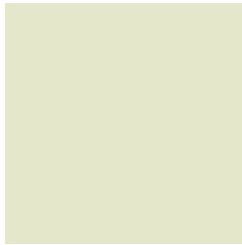


0.2620, 0.1584, 0.0646



# Previews

## White Background



This preview shows how the Yxy color 78.0741, 0.3300, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

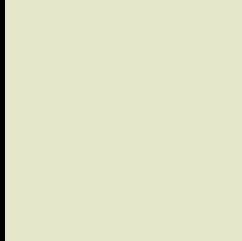
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0741, 0.3300, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

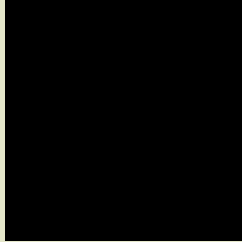
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

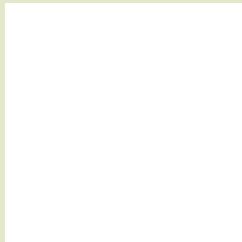
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0741, 0.3300, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0741, 0.3300, 0.3601.

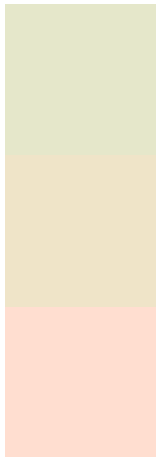


This preview shows how white text looks on a background with the Yxy color 78.0741, 0.3300, 0.3601.

# 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

78.0741, 0.3300, 0.3601

### Protanopia

78.0077, 0.3390, 0.3585

### Deuteranopia

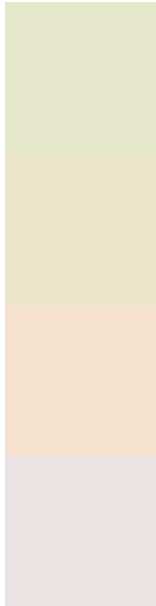
78.0566, 0.3463, 0.3433



## Tritanopia

77.9837, 0.3081, 0.3105

# Trichromacy



## Original Color

78.0741, 0.3300, 0.3601

## Protanomaly

77.9178, 0.3353, 0.3587

## Deuteranomaly

77.8995, 0.3405, 0.3487

## Tritanomaly

77.8632, 0.3162, 0.3280

# Monochromacy



## Original Color

78.0741, 0.3300, 0.3601

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.0427, 0.3192, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0741, 0.3300, 0.3601 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(229, 231, 202)` looks like.

```
.text, #text, p{  
    color:rgb(229, 231, 202)  
}
```

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(229, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 231, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0741, 0.3300, 0.3601 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(229, 231, 202) }
```

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

```
.border{ border-color:rgb(229, 231, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 231, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(229, 231,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0741, 0.3300, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 231, 202) }
```

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

```
.background{ background-color: rgb(229,  
231, 202) }
```

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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