

# Converting Colors

$Yxy(80.6583, 0.3327, 0.3709)$

Have a look what the booklet for  
Yxy(80.6583, 0.3327, 0.3709)  
contains.

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# Color

**Yxy(80.6801, 0.3326, 0.3707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5ECC5
RGB	229, 236, 197
RGB Percent	90%, 93%, 77%
CMY	0.1019, 0.0745, 0.2275
CMYK	0.03, 0.00, 0.17, 0.07
HSL	71°, 51%, 85%
HSV	71°, 17%, 93%
XYZ	72.3879, 80.6801, 64.5745
YIQ	229.4610, 8.3470, -13.6130

# Conversions

## Conversions Part 2

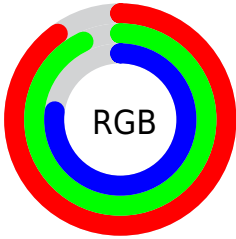
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 236, 204
Decimal	15068357
CIE <sub>Lab</sub>	91.99, -8.86, 18.15
CIE <sub>LCh</sub>	92, 20.201, 116.014
Yxy	80.6801, 0.3326, 0.3707
Android (android.graphics.Color)	4293258437 (0xFFE5ECC5)
YUV	229.4610, -16.0033, -0.4043
Hunter-Lab	89.8221, -13.3350, 20.2509

# Details

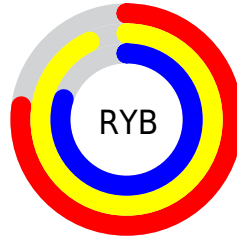
The Yxy color **80.6801, 0.3326, 0.3707** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8201, 0.2907, 0.2850**, and the grayscale version is **78.8301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **43.5099, 0.3367, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **78.9976, 0.3447, 0.3971**, and if you desaturate by 10%, it is **82.5560, 0.3205, 0.3451**.

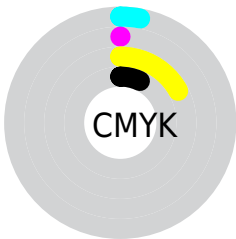
# Distribution



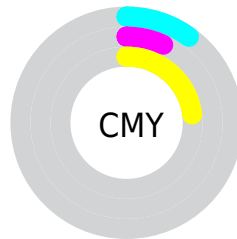
- Red (90%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (80%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)




- Cyan (10%)
- Magenta (7%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6801, 0.3326, 0.3707 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 80.6801, 0.3326, 0.3707 by changing the saturation by 10% instead.




 80.6801, 0.3326,  
0.3707

 80.6801, 0.3326,  
0.3707


497.2219, 0.3237,  
0.3514

 60.2782, 0.3345,  
0.3751


134.3215, 0.3296,  
0.3640

 43.6429, 0.3369,  
0.3805


168.3297, 0.3284,  
0.3614

 30.3899, 0.3398,  
0.3873


207.6422, 0.3274,  
0.3592

 20.1347, 0.3434,  
0.3962

252.6433, 0.3265,  
0.3572

 12.4930, 0.3482,  
0.4082

303.7175, 0.3257,  
0.3555

 7.0804, 0.3545,  
0.4253

361.2490, 0.3250,

 3.5124, 0.3631,

0.3540

0.4513

425.6223, 0.3243,  
0.3527

■ 1.4047, 0.4019,  
0.5315

■ 0.2202, 0.0000,  
1.0000

■ 80.6801, 0.3326,  
0.3707

■ 80.6801, 0.3326,  
0.3707

■ 78.9976, 0.3447,  
0.3971

■ 82.5560, 0.3205,  
0.3451

■ 77.4899, 0.3562,  
0.4236

■ 84.6222, 0.3087,  
0.3207

■ 76.1519, 0.3668,  
0.4491

■ 86.0376, 0.3049,  
0.3102

■ 74.9743, 0.3757,  
0.4726

■ 86.7937, 0.3076,  
0.3104

■ 73.9468, 0.3826,  
0.4931

■ 87.5672, 0.3104,  
0.3105

■ 73.0575, 0.3870,  
0.5095

■ 88.3582, 0.3132,  
0.3107

■ 72.2927, 0.3888,  
0.5213

■ 88.4731, 0.3136,  
0.3107

■ 71.6353, 0.3881,  
0.5286

■ 71.4226, 0.3875,  
0.5305

# Harmonies

## Analogous

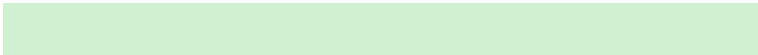
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6801, 0.3512, 0.3661



80.6801, 0.3326, 0.3707



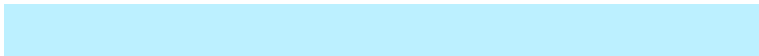
80.6801, 0.3092, 0.3631

# Triad

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



80.6801, 0.3326, 0.3707



80.6801, 0.2681, 0.3037



80.6801, 0.3380, 0.3132

# Complementary

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



80.6801, 0.3326, 0.3707



58.8201, 0.2907, 0.2850

# 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.



80.6801, 0.3149, 0.2980



80.6801, 0.3326, 0.3707



80.6801, 0.2751, 0.2921

# Square

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



80.6801, 0.3326, 0.3707



80.6801, 0.2725, 0.3231



80.6801, 0.2919, 0.2903



80.6801, 0.3546, 0.3326

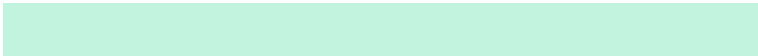


# Rectangle

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



80.6801, 0.3326, 0.3707



80.6801, 0.2941, 0.3520



80.6801, 0.2919, 0.2903



80.6801, 0.3307, 0.3075

# Sweetspot

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



80.6836, 0.3326, 0.3707



98.7749, 0.3187, 0.3413



64.8096, 0.3431, 0.3362



21.1061, 0.3195, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

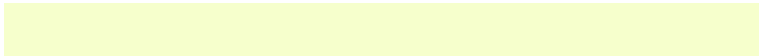


# Same Dimension

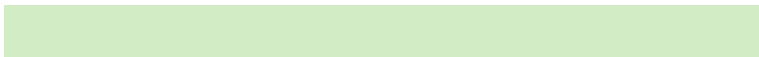
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6836, 0.3326, 0.3707



95.4468, 0.3369, 0.3800



77.7249, 0.3194, 0.3725



17.4825, 0.3240, 0.3525



39.4197, 0.3880, 0.5301



3.1310, 0.3926, 0.5265



# Inverse Universe

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



58.8201, 0.2907, 0.2850



64.5731, 0.2854, 0.2745



61.6729, 0.3048, 0.2868



14.6787, 0.3008, 0.3048



3.6526, 0.1583, 0.0646

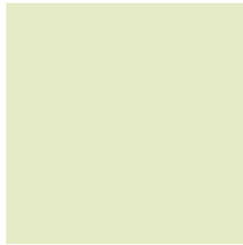


0.3241, 0.1702, 0.0711



# Previews

## White Background



This preview shows how the Yxy color 80.6801, 0.3326, 0.3707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

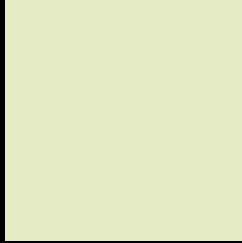
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6801, 0.3326, 0.3707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

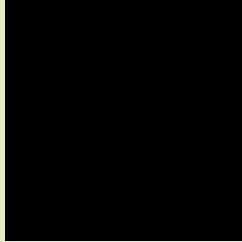
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

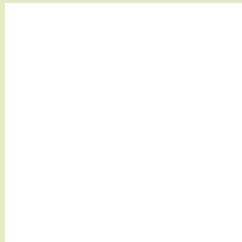
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.6801, 0.3326, 0.3707**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6801, 0.3326, 0.3707.

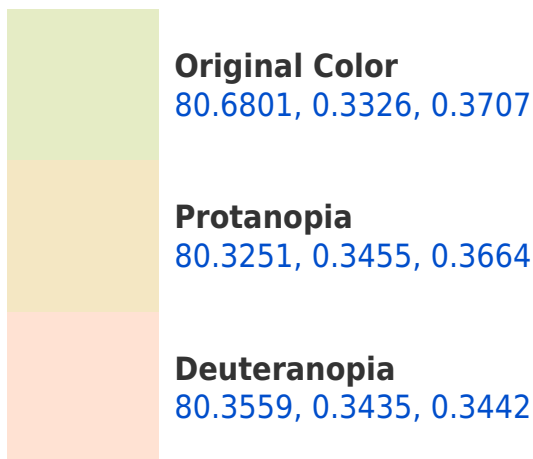


This preview shows how white text looks on a background with the Yxy color 80.6801, 0.3326, 0.3707.

# 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

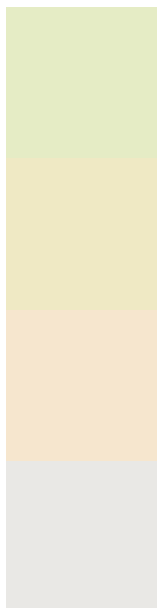




## Tritanopia

80.5869, 0.3061, 0.3107

# Trichromacy



## Original Color

80.6801, 0.3326, 0.3707

## Protanomaly

80.6141, 0.3408, 0.3678

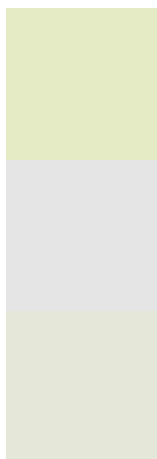
## Deuteranomaly

80.6427, 0.3397, 0.3538

## Tritanomaly

80.6940, 0.3153, 0.3321

# Monochromacy



## Original Color

80.6801, 0.3326, 0.3707

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

79.3810, 0.3202, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6801, 0.3326, 0.3707 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, 236, 197)` looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 197)  
}
```

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, 236, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6801, 0.3326, 0.3707 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, 236, 197) }
```

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

```
.border{ border-color:rgb(229, 236, 197) }
```

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

Here you see how a box with a 4 pixel rgb(229, 236, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 197);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6801, 0.3326, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 197) }
```

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

```
.background{ background-color: rgb(229,  
236, 197) }
```

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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