

# Converting Colors

$Yxy(77.6712, 0.3362, 0.3693)$

Have a look what the booklet for  
Yxy(77.6712, 0.3362, 0.3693)  
contains.

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# Color

**Yxy(77.8251, 0.3367, 0.3699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E7C1
RGB	230, 231, 193
RGB Percent	90%, 91%, 76%
CMY	0.0979, 0.0941, 0.2432
CMYK	0.00, 0.00, 0.16, 0.09
HSL	62°, 44%, 83%
HSV	62°, 16%, 91%
XYZ	70.8400, 77.8251, 61.7299
YIQ	226.3690, 11.6020, -12.0300

# Conversions

## Conversions Part 2

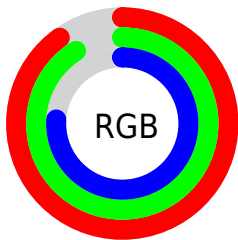
Format	Color
<b>RYB</b>	193, 231, 194
Decimal	15132609
CIELab	90.70, -6.58, 18.44
CIELCh	91, 19.576, 109.646
Yxy	77.8251, 0.3367, 0.3699
Android (android.graphics.Color)	4293322689 (0xFFE6E7C1)
YUV	226.3690, -16.4509, 3.1844
Hunter-Lab	88.2185, -11.0459, 20.2655

# Details

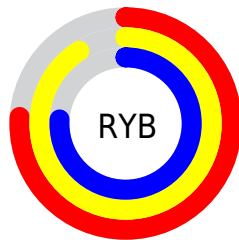
The Yxy color **77.8251, 0.3367, 0.3699** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.3656, 0.2866, 0.2847**, and the grayscale version is **76.4533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **41.5227, 0.3422, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **76.7796, 0.3515, 0.3953**, and if you desaturate by 10%, it is **79.0388, 0.3220, 0.3448**.

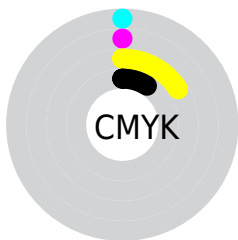
# Distribution



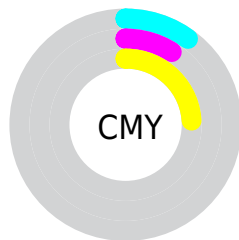
- Red (90%)
- Green (91%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8251, 0.3367, 0.3699 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 77.8251, 0.3367, 0.3699 by changing the saturation by 10% instead.



■ 77.8251, 0.3367,  
0.3699

■ 77.8251, 0.3367,  
0.3699

487.5726, 0.3259,  
0.3510

■ 57.9303, 0.3391,  
0.3742

■ 130.3035, 0.3330,  
0.3633

■ 41.7526, 0.3420,  
0.3795

163.6560, 0.3315,  
0.3608

■ 28.9076, 0.3457,  
0.3863

202.2631, 0.3303,  
0.3586

■ 19.0110, 0.3503,  
0.3951

246.5093, 0.3292,  
0.3567

■ 11.6782, 0.3564,  
0.4069

296.7789, 0.3282,  
0.3550

■ 6.5250, 0.3646,  
0.4238


353.4565, 0.3273,


■ 3.1668, 0.3762,


0.3535


0.4496

416.9262, 0.3266,  
0.3522


 1.2194, 0.4432,  
0.5564

 0.0775, 0.0000,  
1.0000


 77.8251, 0.3367,  
0.3699


 77.8251, 0.3367,  
0.3699


 76.7796, 0.3515,  
0.3953


 79.0388, 0.3220,  
0.3448


 75.8846, 0.3658,  
0.4201

 80.4174, 0.3077,  
0.3205

 75.1354, 0.3792,  
0.4433


 81.4928, 0.2985,  
0.3047

 74.5233, 0.3910,  
0.4640


 81.5914, 0.2989,  
0.3047


 74.0385, 0.4007,  
0.4813

 81.6904, 0.2993,  
0.3047

 73.6701, 0.4079,  
0.4944

 81.7896, 0.2996,  
0.3048


 73.4053, 0.4124,  
0.5032

 81.8892, 0.3000,  
0.3048

 73.2278, 0.4144,  
0.5078

 81.9892, 0.3004,  
0.3048

 73.1763, 0.4148,  
0.5088

 82.0894, 0.3008,  
0.3049

# Harmonies

## Analogous

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



77.8251, 0.3531, 0.3631



77.8251, 0.3367, 0.3699



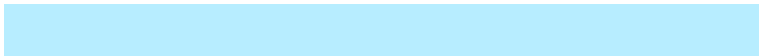
77.8251, 0.3142, 0.3650

# Triad

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



77.8251, 0.3367, 0.3699



77.8251, 0.2689, 0.3077



77.8251, 0.3331, 0.3098

# Complementary

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



77.8251, 0.3367, 0.3699



55.3656, 0.2866, 0.2847

# Split Complementary

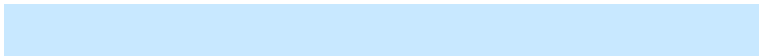
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8251, 0.3099, 0.2962



77.8251, 0.3367, 0.3699



77.8251, 0.2735, 0.2944

# Square

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



77.8251, 0.3367, 0.3699



77.8251, 0.2756, 0.3278



77.8251, 0.2882, 0.2905



77.8251, 0.3511, 0.3284



# Rectangle

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



77.8251, 0.3367, 0.3699



77.8251, 0.2990, 0.3554



77.8251, 0.2882, 0.2905



77.8251, 0.3256, 0.3046

# Sweetspot

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



77.8285, 0.3367, 0.3699



99.1442, 0.3199, 0.3413



59.2520, 0.3439, 0.3298



21.1961, 0.3209, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

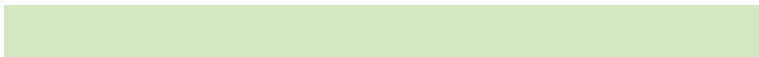
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8285, 0.3367, 0.3699



96.8939, 0.3421, 0.3792



74.9025, 0.3233, 0.3717



16.7975, 0.3264, 0.3522



41.0330, 0.4149, 0.5088



3.0382, 0.4156, 0.5082



# Inverse Universe

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



55.3656, 0.2866, 0.2847



63.4276, 0.2800, 0.2737



57.9926, 0.3005, 0.2865



13.9046, 0.2984, 0.3047



3.2638, 0.1508, 0.0605

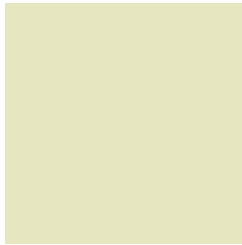


0.2474, 0.1531, 0.0617



# Previews

## White Background



This preview shows how the Yxy color 77.8251, 0.3367, 0.3699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

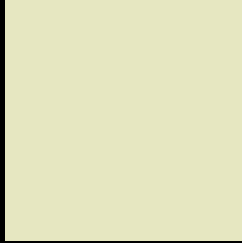
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8251, 0.3367, 0.3699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

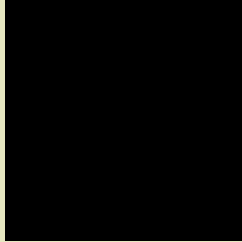
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

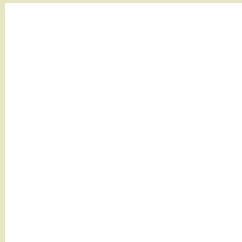
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8251, 0.3367, 0.3699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8251, 0.3367, 0.3699.



This preview shows how white text looks on a background with the Yxy color 77.8251, 0.3367, 0.3699.

# 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

77.8251, 0.3367, 0.3699

### Protanopia

77.9492, 0.3466, 0.3680

### Deuteranopia

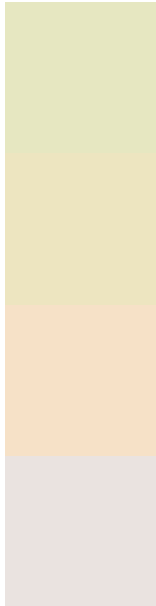
77.8143, 0.3498, 0.3484



## Tritanopia

77.7266, 0.3101, 0.3106

# Trichromacy



## Original Color

77.8251, 0.3367, 0.3699

## Protanomaly

77.8489, 0.3428, 0.3683

## Deuteranomaly

77.5668, 0.3454, 0.3561

## Tritanomaly

77.8124, 0.3195, 0.3322

# Monochromacy



## Original Color

77.8251, 0.3367, 0.3699

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.6727, 0.3211, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8251, 0.3367, 0.3699 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, 231, 193)` looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 193)  
}
```

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, 231, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8251, 0.3367, 0.3699 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, 231, 193) }
```

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

```
.border{ border-color:rgb(230, 231, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 193);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8251, 0.3367, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 193) }
```

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

```
.background{ background-color: rgb(230,  
231, 193) }
```

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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