

# Converting Colors

$Yxy(77.8735, 0.3267, 0.3368)$

Have a look what the booklet for  
Yxy(77.8735, 0.3267, 0.3368)  
contains.

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# Color

**Yxy(77.8579, 0.3265, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE2DB
RGB	239, 226, 219
RGB Percent	94%, 89%, 86%
CMY	0.0626, 0.1138, 0.1411
CMYK	0.00, 0.05, 0.08, 0.06
HSL	21°, 39%, 90%
HSV	21°, 8%, 94%
XYZ	75.5891, 77.8579, 78.0663
YIQ	229.0890, 9.9950, 0.5790

# Conversions

## Conversions Part 2

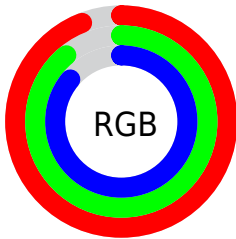
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 230, 219
Decimal	15721179
CIE Lab	90.72, 3.27, 4.99
CIE LCh	91, 5.961, 56.778
Yxy	77.8579, 0.3265, 0.3363
Android (android.graphics.Color)	4293911259 (0xFFEFE2DB)
YUV	229.0890, -4.9739, 8.6919
Hunter-Lab	88.2371, -1.5014, 9.3102

# Details

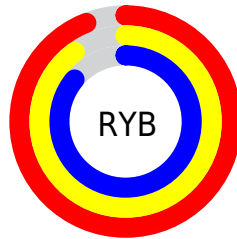
The Yxy color  $77.8579, 0.3265, 0.3363$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $79.0385, 0.2998, 0.3216$ , and the grayscale version is  $78.4609, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.8734, 0.3297, 0.3385$  is the 20% darker color. If you saturate the color by 10%, you get  $68.6059, 0.3456, 0.3455$ , and if you desaturate by 10%, it is  $88.0662, 0.3103, 0.3276$ .

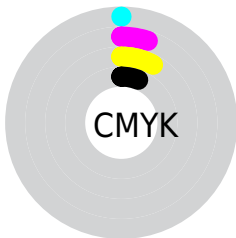
# Distribution



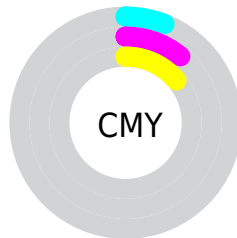
- Red (94%)
- Green (89%)
- Blue (86%)



- Red (94%)
- Yellow (90%)
- Blue (86%)



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (6%)




- Cyan (6%)
- Magenta (11%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8579, 0.3265, 0.3363 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 77.8579, 0.3265, 0.3363 by changing the saturation by 10% instead.




 77.8579, 0.3265,  
0.3363

 77.8579, 0.3265,  
0.3363


487.6841, 0.3202,  
0.3330

 57.9573, 0.3279,  
0.3370


130.3498, 0.3243,  
0.3352

 41.7743, 0.3297,  
0.3379


163.7098, 0.3235,  
0.3347

 28.9246, 0.3319,  
0.3391


202.3251, 0.3227,  
0.3343

 19.0238, 0.3348,  
0.3405

246.5800, 0.3221,  
0.3340

 11.6875, 0.3388,  
0.3425

296.8590, 0.3215,  
0.3337

 6.5312, 0.3444,  
0.3453

353.5464, 0.3210,

 3.1707, 0.3531,

0.3334

0.3494

417.0266, 0.3206,  
0.3332

■ 1.2215, 0.3684,  
0.3564

■ 0.0792, 0.6619,  
0.3381

■ 77.8579, 0.3265,  
0.3363

■ 77.8579, 0.3265,  
0.3363

■ 68.6059, 0.3456,  
0.3455

■ 88.0662, 0.3103,  
0.3276

■ 60.2720, 0.3681,  
0.3552

■ 97.0974, 0.3030,  
0.3290

■ 52.8301, 0.3941,  
0.3648

■ 46.2492, 0.4238,  
0.3738

■ 40.4963, 0.4568,  
0.3814

■ 35.5359, 0.4916,  
0.3862

■ 31.3298, 0.5262,  
0.3871

■ 27.8357, 0.5575,  
0.3830

■ 25.0032, 0.5828,  
0.3741

# Harmonies

## Analogous

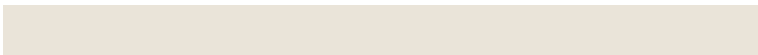
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8579, 0.3252, 0.3305



77.8579, 0.3265, 0.3363



77.8579, 0.3241, 0.3402

# Triad

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



77.8579, 0.3265, 0.3363



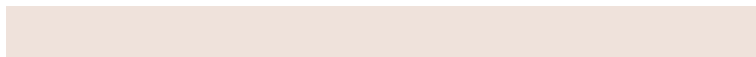
77.8579, 0.3050, 0.3337



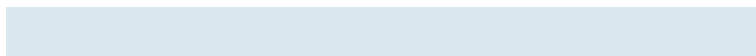
77.8579, 0.3067, 0.3171

# Complementary

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



77.8579, 0.3265, 0.3363



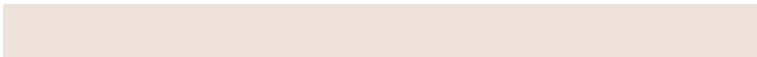
79.0385, 0.2998, 0.3216

# 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.



77.8579, 0.3014, 0.3178



77.8579, 0.3265, 0.3363



77.8579, 0.3004, 0.3273

# Square

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



77.8579, 0.3265, 0.3363



77.8579, 0.3116, 0.3388



77.8579, 0.2991, 0.3215



77.8579, 0.3137, 0.3195



# Rectangle

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



77.8579, 0.3265, 0.3363



77.8579, 0.3207, 0.3412



77.8579, 0.2991, 0.3215



77.8579, 0.3047, 0.3170

# Sweetspot

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



77.8613, 0.3265, 0.3363



96.3794, 0.3174, 0.3316



74.8713, 0.3181, 0.3152



20.4257, 0.3188, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

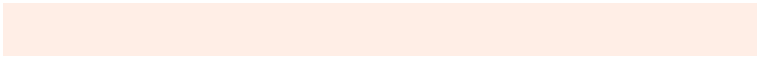


# Same Dimension

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



77.8613, 0.3265, 0.3363



88.3233, 0.3295, 0.3378



83.2904, 0.3255, 0.3462



16.6604, 0.3285, 0.3373



13.8111, 0.5836, 0.3748



1.3287, 0.5584, 0.3948

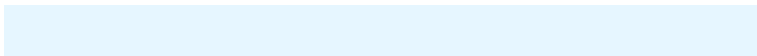


# Inverse Universe

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



79.0385, 0.2998, 0.3216



89.9371, 0.2972, 0.3200



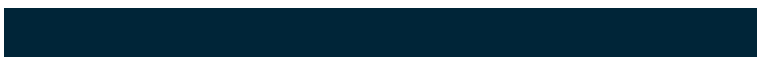
73.7222, 0.2997, 0.3112



16.9470, 0.2980, 0.3206



16.7739, 0.1919, 0.2107

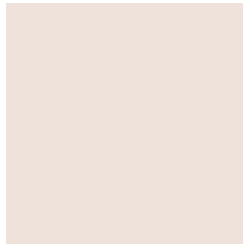


1.5809, 0.1967, 0.2281



# Previews

## White Background



This preview shows how the Yxy color 77.8579, 0.3265, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

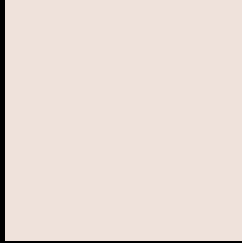
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8579, 0.3265, 0.3363 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

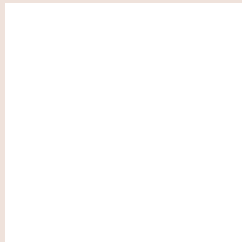
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8579, 0.3265, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8579, 0.3265, 0.3363.

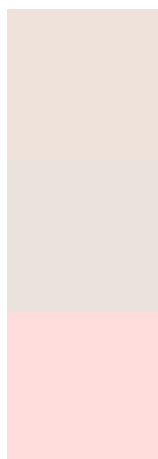


This preview shows how white text looks on a background with the Yxy color 77.8579, 0.3265, 0.3363.

# 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

77.8579, 0.3265, 0.3363

### Protanopia

77.5979, 0.3222, 0.3364

### Deuteranopia

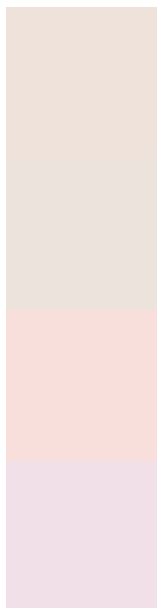
77.9510, 0.3373, 0.3301



## Tritanopia

77.9439, 0.3149, 0.3118

# Trichromacy



## Original Color

77.8579, 0.3265, 0.3363

## Protanomaly

77.9383, 0.3236, 0.3363

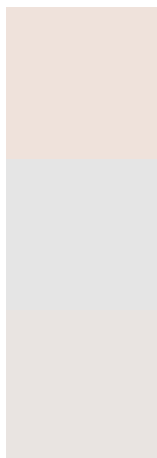
## Deuteranomaly

78.0824, 0.3334, 0.3321

## Tritanomaly

77.8383, 0.3194, 0.3208

# Monochromacy



## Original Color

77.8579, 0.3265, 0.3363

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.2467, 0.3181, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8579, 0.3265, 0.3363 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(239, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(239, 226, 219)  
}
```

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(239, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 226, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8579, 0.3265, 0.3363 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(239, 226, 219) }
```

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

```
.border{ border-color:rgb(239, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(239, 226,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8579, 0.3265, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 226, 219) }
```

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

```
.background{ background-color: rgb(239,  
226, 219) }
```

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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