

# Converting Colors

$Yxy(76.3283, 0.3068, 0.3204)$

Have a look what the booklet for  
Yxy(76.3283, 0.3068, 0.3204)  
contains.

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# Color

**Yxy(76.3408, 0.3069, 0.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E2EA
RGB	225, 226, 234
RGB Percent	88%, 89%, 92%
CMY	0.1177, 0.1137, 0.0822
CMYK	0.04, 0.03, 0.00, 0.08
HSL	233°, 18%, 90%
HSV	233°, 4%, 92%
XYZ	73.1014, 76.3408, 88.7506
YIQ	226.6130, -3.1640, 2.2760

# Conversions

## Conversions Part 2

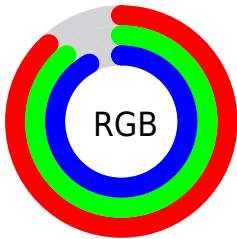
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 226, 234
Decimal	14803690
CIE Lab	90.02, 1.13, -4.04
CIE LCh	90, 4.192, 285.700
Yxy	76.3408, 0.3069, 0.3205
Android (android.graphics.Color)	4292993770 (0xFFE1E2EA)
YUV	226.6130, 3.6418, -1.4146
Hunter-Lab	87.3732, -3.5599, 0.9366

# Details

The Yxy color **76.3408, 0.3069, 0.3205** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.2279, 0.3185, 0.3374**, and the grayscale version is **76.4978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8862, 0.3060, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **62.2063, 0.2906, 0.2964**, and if you desaturate by 10%, it is **92.3685, 0.3214, 0.3416**.

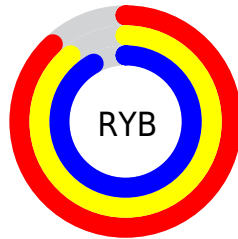
# Distribution



Red (88%)

Green (89%)

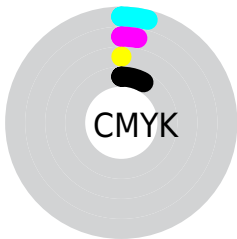
Blue (92%)



Red (88%)

Yellow (89%)

Blue (92%)

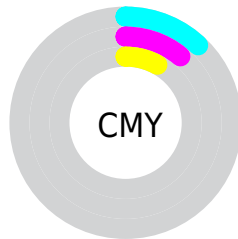


Cyan (4%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (11%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3408, 0.3069, 0.3205 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 76.3408, 0.3069, 0.3205 by changing the saturation by 10% instead.



■ 76.3408, 0.3069,  
0.3205

■ 76.3408, 0.3069,  
0.3205

482.5135, 0.3096,  
0.3244

■ 56.7120, 0.3063,  
0.3196

128.2085, 0.3078,  
0.3218

■ 40.7741, 0.3055,  
0.3185

161.2163, 0.3082,  
0.3224

■ 28.1426, 0.3046,  
0.3172

199.4524, 0.3085,  
0.3228

■ 18.4332, 0.3034,  
0.3154

243.3014, 0.3088,  
0.3232

■ 11.2614, 0.3017,  
0.3130

293.1476, 0.3090,  
0.3236

■ 6.2430, 0.2993,  
0.3096

349.3754, 0.3092,

■ 2.9934, 0.2956,

0.3239

412.3693, 0.3094,  
0.3242

0.3043

1.1283, 0.2890,  
0.2950

0.0019, 0.0935,  
0.0061

76.3408, 0.3069,  
0.3205

76.3408, 0.3069,  
0.3205

62.2063, 0.2906,  
0.2964

92.3685, 0.3214,  
0.3416

49.8856, 0.2726,  
0.2693

98.7226, 0.3250,  
0.3493

39.3079, 0.2531,  
0.2395

30.3943, 0.2327,  
0.2076

■ 23.0594, 0.2123,  
0.1748

■ 17.2106, 0.1930,  
0.1429

■ 12.7452, 0.1763,  
0.1141

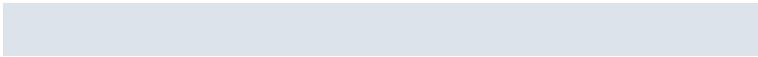
■ 9.5475, 0.1633,  
0.0904

■ 7.4819, 0.1550,  
0.0735

# Harmonies

## Analogous

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



76.3408, 0.3038, 0.3218



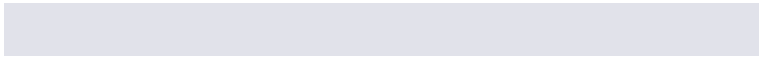
76.3408, 0.3069, 0.3205



76.3408, 0.3115, 0.3214

# Triad

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



76.3408, 0.3069, 0.3205



76.3408, 0.3224, 0.3328



76.3408, 0.3089, 0.3338

# Complementary

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



76.3408, 0.3069, 0.3205



81.2279, 0.3185, 0.3374

# Split Complementary

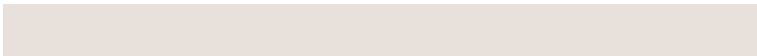
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3408, 0.3138, 0.3368



76.3408, 0.3069, 0.3205



76.3408, 0.3217, 0.3362

# Square

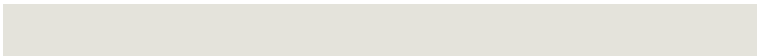
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3408, 0.3069, 0.3205



76.3408, 0.3205, 0.3285



76.3408, 0.3185, 0.3376



76.3408, 0.3050, 0.3295



# Rectangle

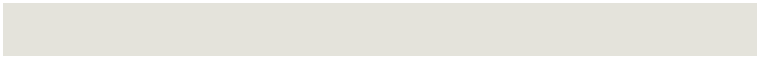
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3408, 0.3069, 0.3205



76.3408, 0.3149, 0.3232



76.3408, 0.3185, 0.3376



76.3408, 0.3105, 0.3350

# Sweetspot

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



76.3441, 0.3069, 0.3205



98.0827, 0.3112, 0.3268



80.7553, 0.3073, 0.3301



21.0139, 0.3113, 0.3269



0.0000, 0.0000, 0.0000

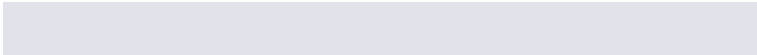


21.4041, 0.3127, 0.3290



# Same Dimension

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



76.3441, 0.3069, 0.3205



90.6462, 0.3051, 0.3179



76.3596, 0.3093, 0.3195



16.0025, 0.3041, 0.3164



3.8459, 0.1523, 0.0681

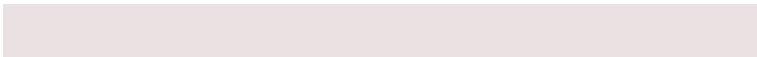


0.3919, 0.1571, 0.0855



# Inverse Universe

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



76.8373, 0.3184, 0.3280



91.4250, 0.3202, 0.3276



81.2199, 0.3160, 0.3385



16.1599, 0.3212, 0.3275



9.8810, 0.6264, 0.3224

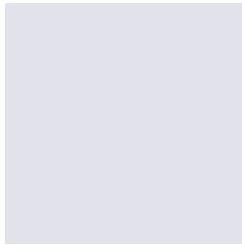


0.7850, 0.5983, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 76.3408, 0.3069, 0.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

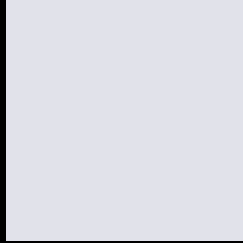
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3408, 0.3069, 0.3205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

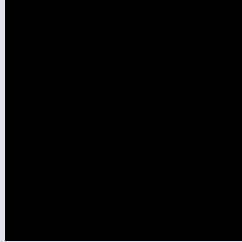
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

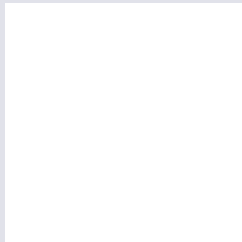
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3408, 0.3069, 0.3205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3408, 0.3069, 0.3205.

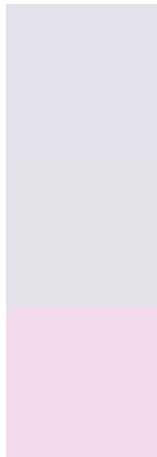


This preview shows how white text looks on a background with the Yxy color 76.3408, 0.3069, 0.3205.

# 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

76.3408, 0.3069, 0.3205

### Protanopia

76.2276, 0.3096, 0.3206

### Deuteranopia

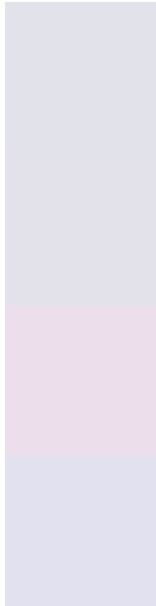
75.8943, 0.3199, 0.3127



## Tritanopia

76.4300, 0.3026, 0.3112

# Trichromacy



## Original Color

76.3408, 0.3069, 0.3205

## Protanomaly

76.0645, 0.3090, 0.3206

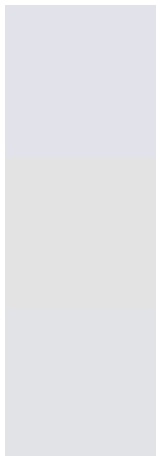
## Deuteranomaly

76.2452, 0.3148, 0.3156

## Tritanomaly

76.2512, 0.3045, 0.3143

# Monochromacy



## Original Color

76.3408, 0.3069, 0.3205

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.8201, 0.3101, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3408, 0.3069, 0.3205 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(225, 226, 234)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 234)  
}
```

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(225, 226, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3408, 0.3069, 0.3205 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(225, 226, 234) }
```

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

```
.border{ border-color:rgb(225, 226, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 234);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3408, 0.3069, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 234) }
```

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

```
.background{ background-color: rgb(225,  
226, 234) }
```

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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