

# Converting Colors

$Y_{xy}(76.2131, 0.3031, 0.3177)$

Have a look what the booklet for  
Yxy(76.2131, 0.3031, 0.3177)  
contains.

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# Color

**Yxy(76.0367, 0.3030, 0.3173)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DEE2ED
RGB	222, 226, 237
RGB Percent	87%, 89%, 93%
CMY	0.1294, 0.1137, 0.0705
CMYK	0.06, 0.05, 0.00, 0.07
HSL	224°, 29%, 90%
HSV	224°, 6%, 93%
XYZ	72.6099, 76.0367, 90.9900
YIQ	226.0580, -5.9150, 2.5730

# Conversions

## Conversions Part 2

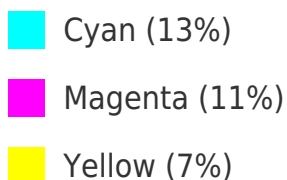
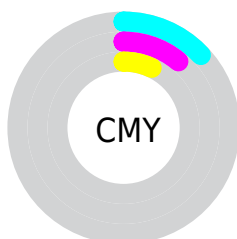
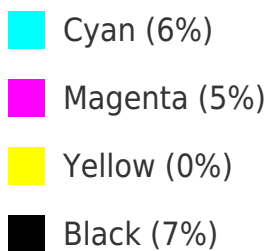
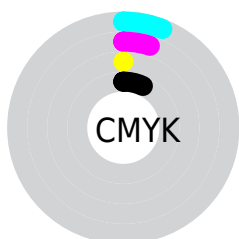
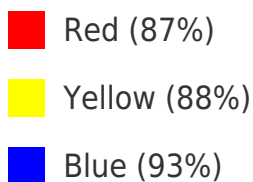
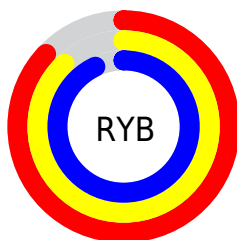
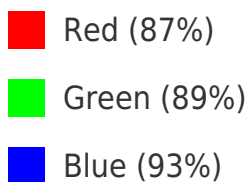
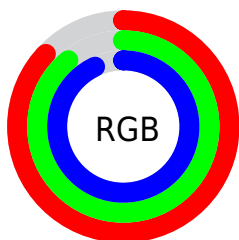
Format	Color
<a href="#">RYB</a>	<a href="#">222, 225, 237</a>
Decimal	<a href="#">14607085</a>
CIELab	<a href="#">89.88, 0.71, -5.84</a>
CIELCh	<a href="#">90, 5.881, 276.964</a>
Yxy	<a href="#">76.0367, 0.3030, 0.3173</a>
Android (android.graphics.Color)	<a href="#">4292797165</a> (0xFFDEE2ED)
YUV	<a href="#">226.0580, 5.3944, -3.5589</a>
Hunter-Lab	<a href="#">87.1990, -3.9628, -0.8283</a>

# Details

The Yxy color `76.0367, 0.3030, 0.3173` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81.5771, 0.3224, 0.3404`, and the grayscale version is `76.0640, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.6775, 0.3010, 0.3152` is the 20% darker color. If you saturate the color by 10%, you get `63.5716, 0.2866, 0.2969`, and if you desaturate by 10%, it is `89.9941, 0.3181, 0.3353`.


# Distribution



# Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0367, 0.3030, 0.3173 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 76.0367, 0.3030, 0.3173 by changing the saturation by 10% instead.


 76.0367, 0.3030,  
0.3173

 76.0367, 0.3030,  
0.3173


481.4733, 0.3075,  
0.3227

 56.4626, 0.3020,  
0.3161


127.7788, 0.3045,  
0.3192

 40.5739, 0.3007,  
0.3146


160.7156, 0.3051,  
0.3199

 27.9863, 0.2992,  
0.3127


198.8753, 0.3057,  
0.3205

 18.3153, 0.2971,  
0.3103

242.6425, 0.3061,  
0.3210

 11.1766, 0.2943,  
0.3069

292.4015, 0.3065,  
0.3215

 6.1858, 0.2904,  
0.3022


348.5367, 0.3069,


 2.9584, 0.2842,


0.3219


0.2949


411.4325, 0.3072,  
0.3223


 1.1100, 0.2734,  
0.2822


 0.0000, 0.0111,  
0.0000


 76.0367, 0.3030,  
0.3173


 76.0367, 0.3030,  
0.3173


 63.5716, 0.2866,  
0.2969

 89.9941, 0.3181,  
0.3353

 52.5387, 0.2690,  
0.2741

 98.8960, 0.3232,  
0.3463

 42.8881, 0.2505,  
0.2491

 34.5632, 0.2317,  
0.2223

■ 27.5034, 0.2132,  
0.1943

■ 21.6428, 0.1959,  
0.1663

■ 16.9093, 0.1809,  
0.1397

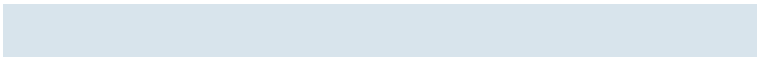
■ 13.2216, 0.1690,  
0.1158

■ 10.4848, 0.1606,  
0.0959

# Harmonies

## Analogous

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



76.0367, 0.2996, 0.3200



76.0367, 0.3030, 0.3173



76.0367, 0.3090, 0.3177

# Triad

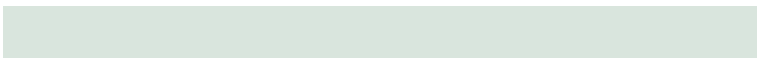
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0367, 0.3030, 0.3173



76.0367, 0.3260, 0.3326



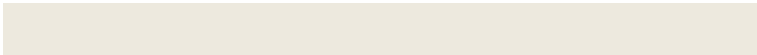
76.0367, 0.3093, 0.3372

# Complementary

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



76.0367, 0.3030, 0.3173



81.5771, 0.3224, 0.3404

# Split Complementary

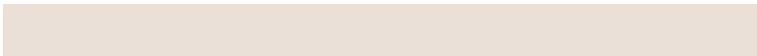
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0367, 0.3163, 0.3407



76.0367, 0.3030, 0.3173



76.0367, 0.3260, 0.3379

# Square

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



76.0367, 0.3030, 0.3173



76.0367, 0.3223, 0.3264



76.0367, 0.3225, 0.3409



76.0367, 0.3032, 0.3316

# Rectangle

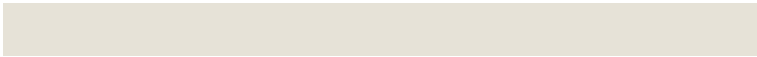
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0367, 0.3030, 0.3173



76.0367, 0.3137, 0.3196



76.0367, 0.3225, 0.3409



76.0367, 0.3116, 0.3387

# Sweetspot

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



76.0399, 0.3030, 0.3173



96.6809, 0.3097, 0.3254



81.9986, 0.3053, 0.3332



20.7285, 0.3098, 0.3256



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.



76.0399, 0.3030, 0.3173



87.1519, 0.3003, 0.3140



74.4497, 0.3054, 0.3131



15.2010, 0.2980, 0.3112



5.4677, 0.1590, 0.0924



0.5831, 0.1664, 0.1189



# Inverse Universe

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



75.7445, 0.3207, 0.3249



86.7409, 0.3231, 0.3237



83.2698, 0.3197, 0.3446



15.1199, 0.3251, 0.3228



10.0448, 0.5875, 0.3010

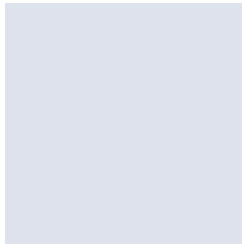


0.8043, 0.5482, 0.2793



# Previews

## White Background



This preview shows how the Yxy color 76.0367, 0.3030, 0.3173 looks on a white background.

## Color Contrast Check

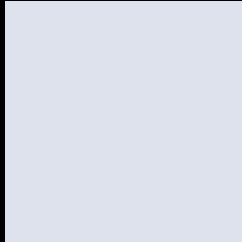
Large Text (above 18pt) WCAG AA × Fail

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 76.0367, 0.3030, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

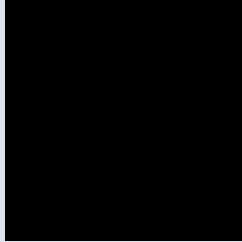
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

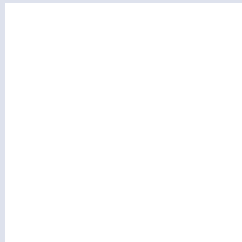
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0367, 0.3030, 0.3173**

## Background



This preview shows how black text looks on a background with the Yxy color 76.0367, 0.3030, 0.3173.

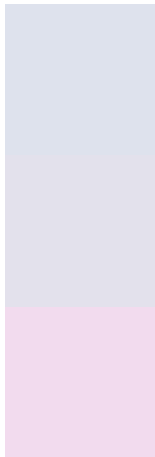


This preview shows how white text looks on a background with the Yxy color 76.0367, 0.3030, 0.3173.

# 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

76.0367, 0.3030, 0.3173

### Protanopia

76.2374, 0.3071, 0.3174

### Deuteranopia

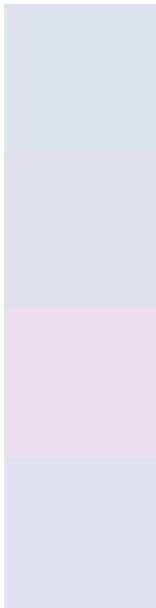
75.7133, 0.3165, 0.3096



## Tritanopia

76.0095, 0.3000, 0.3101

# Trichromacy



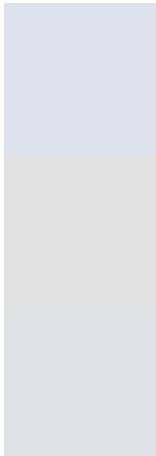
**Original Color**  
76.0367, 0.3030, 0.3173

**Protanomaly**  
75.9141, 0.3057, 0.3174

**Deuteranomaly**  
76.0778, 0.3114, 0.3125

**Tritanomaly**  
75.8893, 0.3012, 0.3121

# Monochromacy



**Original Color**  
76.0367, 0.3030, 0.3173

**Achromatopsia**  
76.0525, 0.3127, 0.3290

**Achromatomaly**  
76.1134, 0.3095, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0367, 0.3030, 0.3173 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(222, 226, 237) looks like.

```
.text, #text, p{  
    color:rgb(222, 226, 237)  
}
```

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(222, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 226, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0367, 0.3030, 0.3173 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(222, 226, 237) }
```

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

```
.border{ border-color:rgb(222, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(222, 226,  
237) }
```

# Background

The CSS property to change the background color of an element to Yxy 76.0367, 0.3030, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 226, 237) }
```

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

```
.background{ background-color: rgb(222,  
226, 237) }
```

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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