

# Converting Colors

Yxy(78.5868, 0.3050, 0.3223)

Have a look what the booklet for  
Yxy(78.5868, 0.3050, 0.3223)  
contains.

<b>Yxy(78.4971, 0.3049, 0.3227)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(78.4971, 0.3049, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E6EC
RGB	224, 230, 236
RGB Percent	88%, 90%, 93%
CMY	0.1217, 0.0980, 0.0746
CMYK	0.05, 0.03, 0.00, 0.07
HSL	210°, 24%, 90%
HSV	210°, 5%, 93%
XYZ	74.1672, 78.4971, 90.5867
YIQ	228.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

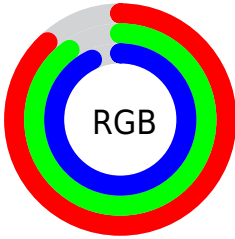
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 228, 236
Decimal	14739180
CIELab	91.01, -0.91, -3.61
CIElCh	91, 3.724, 255.817
Yxy	78.4971, 0.3049, 0.3227
Android (android.graphics.Color)	4292929260 (0xFFE0E6EC)
YUV	228.8900, 3.5052, -4.2885
Hunter-Lab	88.5986, -5.6225, 1.3986

# Details

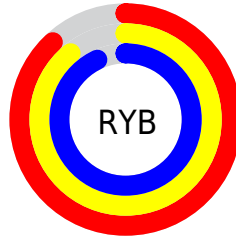
The Yxy color **78.4971, 0.3049, 0.3227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7661, 0.3207, 0.3352**, and the grayscale version is **78.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3902, 0.3035, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **68.6849, 0.2891, 0.3092**, and if you desaturate by 10%, it is **89.2775, 0.3201, 0.3347**.

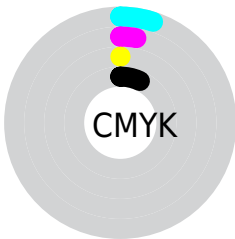
# Distribution



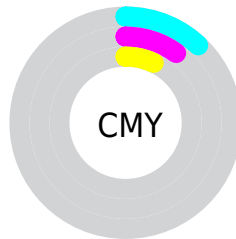
- Red (88%)
- Green (90%)
- Blue (93%)



- Red (88%)
- Yellow (89%)
- Blue (93%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (12%)
- Magenta (10%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4971, 0.3049, 0.3227 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 78.4971, 0.3049, 0.3227 by changing the saturation by 10% instead.



■ 78.4971, 0.3049,  
0.3227

■ 78.4971, 0.3049,  
0.3227

489.8534, 0.3085,  
0.3256

■ 58.4824, 0.3041,  
0.3220

131.2506, 0.3061,  
0.3237

■ 42.1966, 0.3031,  
0.3212

164.7583, 0.3066,  
0.3241

■ 29.2553, 0.3019,  
0.3202

203.5324, 0.3070,  
0.3244

■ 19.2740, 0.3003,  
0.3189

247.9573, 0.3074,  
0.3247

■ 11.8684, 0.2981,  
0.3171

298.4175, 0.3077,  
0.3250

■ 6.6542, 0.2950,  
0.3146

355.2973, 0.3080,

■ 3.2468, 0.2903,

0.3252

0.3107

418.9811, 0.3082,  
0.3254

■ 1.2619, 0.2821,  
0.3039

■ 0.1114, 0.1470,  
0.1959

■ 78.4971, 0.3049,  
0.3227

■ 78.4971, 0.3049,  
0.3227

■ 68.6849, 0.2891,  
0.3092

■ 89.2775, 0.3201,  
0.3347

■ 59.8009, 0.2728,  
0.2943

■ 97.8493, 0.3240,  
0.3459

■ 51.8168, 0.2563,  
0.2779

■ 98.8353, 0.3238,  
0.3474

■ 44.6987, 0.2402,  
0.2603

■ 38.4104, 0.2247,  
0.2416

■ 32.9125, 0.2104,  
0.2222

■ 28.1613, 0.1980,  
0.2026

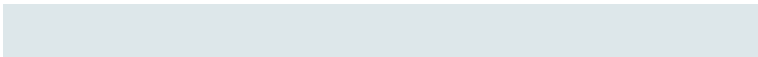
■ 24.1072, 0.1877,  
0.1833

■ 20.6914, 0.1799,  
0.1650

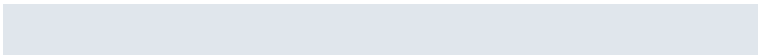
# Harmonies

## Analogous

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



78.4971, 0.3043, 0.3256



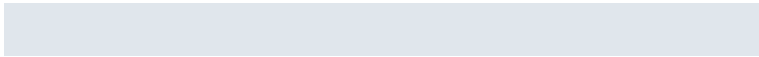
78.4971, 0.3049, 0.3227



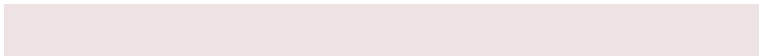
78.4971, 0.3076, 0.3215

# Triad

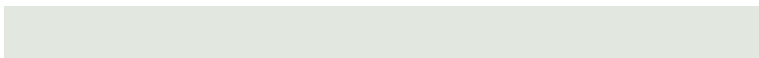
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4971, 0.3049, 0.3227



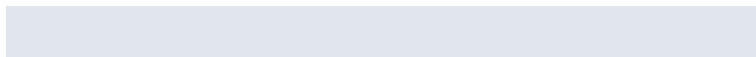
78.4971, 0.3196, 0.3285



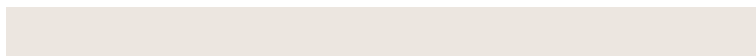
78.4971, 0.3137, 0.3358

# Complementary

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



78.4971, 0.3049, 0.3227



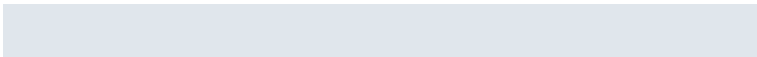
79.7661, 0.3207, 0.3352

# 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.



78.4971, 0.3178, 0.3366



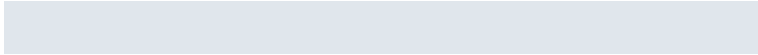
78.4971, 0.3049, 0.3227



78.4971, 0.3213, 0.3324

# Square

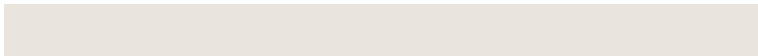
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4971, 0.3049, 0.3227



78.4971, 0.3161, 0.3249



78.4971, 0.3206, 0.3353

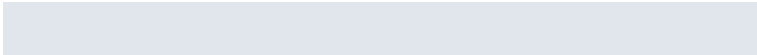


78.4971, 0.3093, 0.3332



# Rectangle

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



78.4971, 0.3049, 0.3227



78.4971, 0.3103, 0.3218



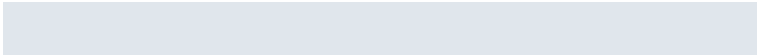
78.4971, 0.3206, 0.3353



78.4971, 0.3152, 0.3363

# Sweetspot

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



78.5004, 0.3049, 0.3227



97.4407, 0.3097, 0.3266



81.5245, 0.3086, 0.3355



20.8832, 0.3098, 0.3267



0.0000, 0.0000, 0.0000

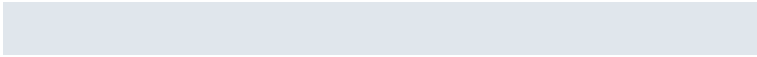


21.4041, 0.3127, 0.3290

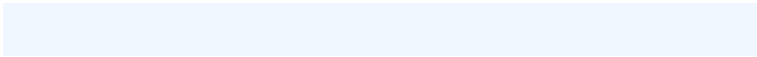


# Same Dimension

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



78.5004, 0.3049, 0.3227



92.4619, 0.3035, 0.3215



75.2971, 0.3050, 0.3165



16.4085, 0.3025, 0.3207



10.8493, 0.1776, 0.1592



1.0444, 0.1845, 0.1841



# Inverse Universe

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



76.8369, 0.3172, 0.3227



90.1441, 0.3181, 0.3216



83.0772, 0.3202, 0.3412



15.9563, 0.3186, 0.3208



10.5880, 0.4941, 0.2496

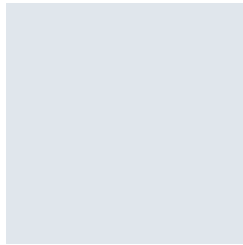


0.8508, 0.4636, 0.2328



# Previews

## White Background



This preview shows how the Yxy color 78.4971, 0.3049, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

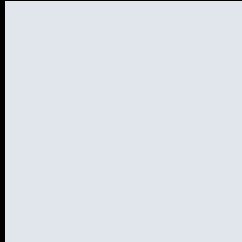
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4971, 0.3049, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

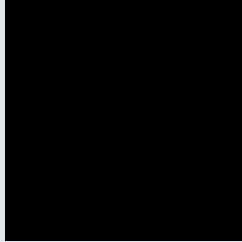
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

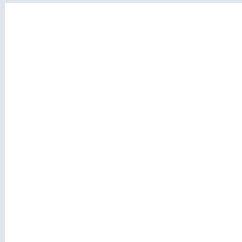
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4971, 0.3049, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4971, 0.3049, 0.3227.

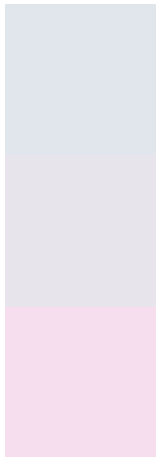


This preview shows how white text looks on a background with the Yxy color 78.4971, 0.3049, 0.3227.

# 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

78.4971, 0.3049, 0.3227

### Protanopia

78.4739, 0.3103, 0.3217

### Deuteranopia

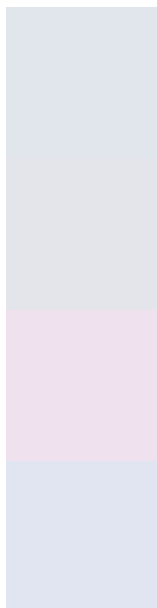
78.1898, 0.3198, 0.3129



## Tritanopia

78.3094, 0.3001, 0.3103

# Trichromacy



## Original Color

78.4971, 0.3049, 0.3227

## Protanomaly

78.5308, 0.3082, 0.3227

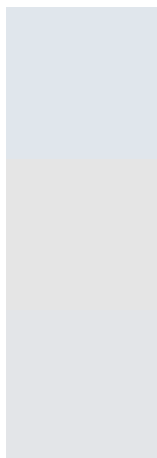
## Deuteranomaly

78.3156, 0.3147, 0.3167

## Tritanomaly

78.4570, 0.3019, 0.3154

# Monochromacy



## Original Color

78.4971, 0.3049, 0.3227

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.1957, 0.3095, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4971, 0.3049, 0.3227 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(224, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(224, 230, 236)  
}
```

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(224, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 230, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4971, 0.3049, 0.3227 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(224, 230, 236) }
```

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

```
.border{ border-color:rgb(224, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(224, 230,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4971, 0.3049, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 230, 236) }
```

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

```
.background{ background-color: rgb(224,  
230, 236) }
```

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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