

# Converting Colors

$Yxy(80.0196, 0.3057, 0.3317)$

Have a look what the booklet for  
Yxy(80.0196, 0.3057, 0.3317)  
contains.

<b>Yxy(79.9873, 0.3059, 0.3322)</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(79.9873, 0.3059, 0.3322)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDEAE7
RGB	221, 234, 231
RGB Percent	87%, 92%, 91%
CMY	0.1335, 0.0823, 0.0942
CMYK	0.06, 0.00, 0.01, 0.08
HSL	166°, 24%, 89%
HSV	166°, 6%, 92%
XYZ	73.6548, 79.9873, 87.1385
YIQ	229.7710, -6.7850, -3.6890

# Conversions

## Conversions Part 2

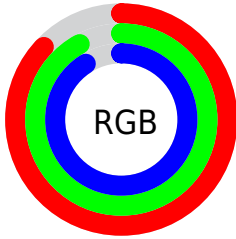
Format	Color
R <sub>Y</sub> B	221, 228, 234
Decimal	14543591
CIE Lab	91.68, -4.88, -0.03
CIE LCh	92, 4.876, 180.383
Yxy	79.9873, 0.3059, 0.3322
Android (android.graphics.Color)	4292733671 (0xFFDDEAE7)
YUV	229.7710, 0.6059, -7.6922
Hunter-Lab	89.4356, -9.5085, 4.8378

# Details

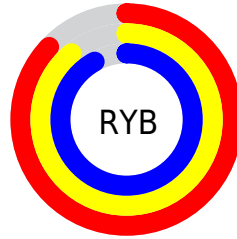
The Yxy color **79.9873, 0.3059, 0.3322** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5738, 0.3200, 0.3258**, and the grayscale version is **78.9492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0429, 0.3048, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **76.2670, 0.2940, 0.3384**, and if you desaturate by 10%, it is **84.2360, 0.3182, 0.3266**.

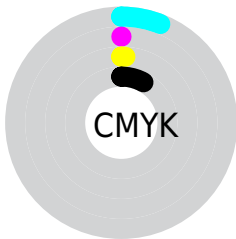
# Distribution



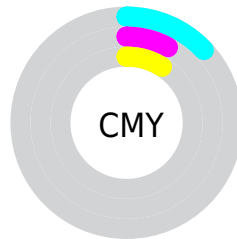
- Red (87%)
- Green (92%)
- Blue (91%)



- Red (87%)
- Yellow (89%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




- Cyan (13%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9873, 0.3059, 0.3322 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 79.9873, 0.3059, 0.3322 by changing the saturation by 10% instead.




 79.9873, 0.3059,  
0.3322

 79.9873, 0.3059,  
0.3322


494.8900, 0.3090,  
0.3308

 59.7079, 0.3052,  
0.3325

133.3479, 0.3070,  
0.3317

 43.1832, 0.3043,  
0.3329

167.1978, 0.3074,  
0.3315

 30.0289, 0.3033,  
0.3334


206.3401, 0.3077,  
0.3313

 19.8605, 0.3019,  
0.3341

251.1591, 0.3081,  
0.3312

 12.2937, 0.3000,  
0.3349

302.0392, 0.3083,  
0.3311

 6.9440, 0.2973,  
0.3362

359.3648, 0.3086,

 3.4271, 0.2933,

0.3309

423.5203, 0.3088,  
0.3308

0.3381

1.3586, 0.2863,  
0.3413

0.1859, 0.1286,  
0.4147

79.9873, 0.3059,  
0.3322

79.9873, 0.3059,  
0.3322

76.2670, 0.2940,  
0.3384

84.2360, 0.3182,  
0.3266

73.0437, 0.2828,  
0.3452

86.5195, 0.3219,  
0.3213

70.2982, 0.2726,  
0.3526

86.8521, 0.3185,  
0.3161

68.0062, 0.2637,  
0.3604

87.1945, 0.3150,  
0.3109

■ 66.1410, 0.2564,  
0.3687

■ 87.3355, 0.3137,  
0.3088

■ 64.6735, 0.2508,  
0.3772

■ 63.5704, 0.2472,  
0.3859

■ 62.7932, 0.2456,  
0.3946

■ 62.2943, 0.2459,  
0.4032

# Harmonies

## Analogous

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



79.9873, 0.3112, 0.3365



79.9873, 0.3059, 0.3322



79.9873, 0.3025, 0.3270

# Triad

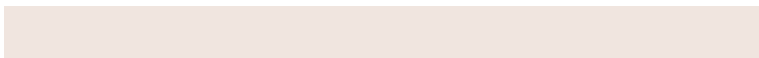
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9873, 0.3059, 0.3322



79.9873, 0.3085, 0.3195



79.9873, 0.3238, 0.3354

# Complementary

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



79.9873, 0.3059, 0.3322



74.5738, 0.3200, 0.3258

# 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.



79.9873, 0.3231, 0.3308



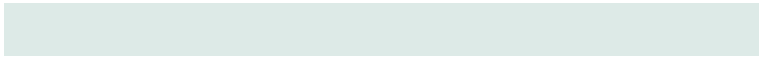
79.9873, 0.3059, 0.3322



79.9873, 0.3142, 0.3217

# Square

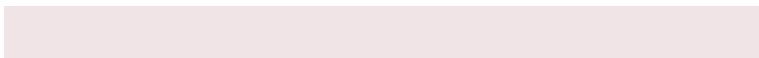
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



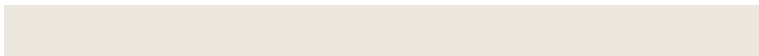
79.9873, 0.3059, 0.3322



79.9873, 0.3040, 0.3197



79.9873, 0.3196, 0.3258



79.9873, 0.3215, 0.3383



# Rectangle

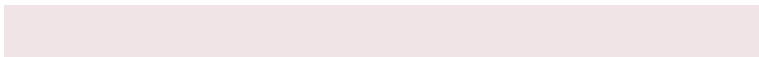
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



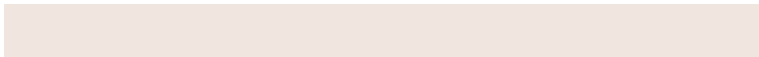
79.9873, 0.3059, 0.3322



79.9873, 0.3017, 0.3239



79.9873, 0.3196, 0.3258



79.9873, 0.3239, 0.3340

# Sweetspot

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



79.9907, 0.3059, 0.3322



98.9692, 0.3102, 0.3301



79.9236, 0.3141, 0.3429



21.1943, 0.3104, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

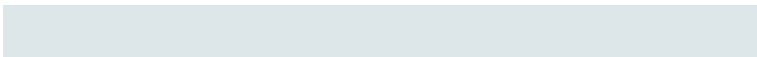
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9907, 0.3059, 0.3322



96.5052, 0.3041, 0.3331



78.2019, 0.3041, 0.3253



17.2159, 0.3035, 0.3334



34.9274, 0.2460, 0.4057



2.7572, 0.2427, 0.3937



# Inverse Universe

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



74.5738, 0.3200, 0.3258



88.2848, 0.3221, 0.3250



76.2665, 0.3218, 0.3327



15.6382, 0.3228, 0.3247



9.9985, 0.5978, 0.3067

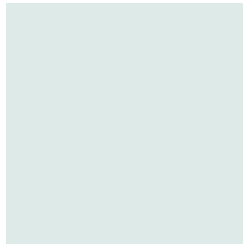


0.7996, 0.5592, 0.2854



# Previews

## White Background



This preview shows how the Yxy color 79.9873, 0.3059, 0.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

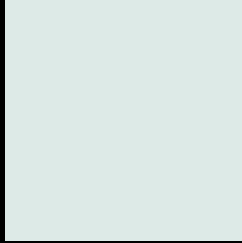
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9873, 0.3059, 0.3322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

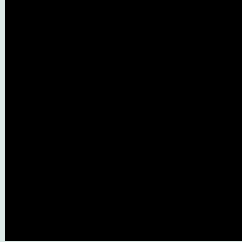
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

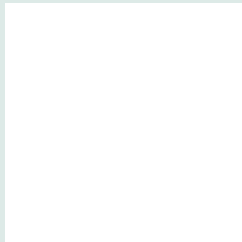
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.9873, 0.3059, 0.3322**

## Background



This preview shows how black text looks on a background with the Yxy color 79.9873, 0.3059, 0.3322.

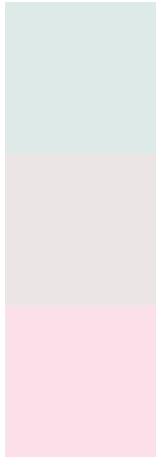


This preview shows how white text looks on a background with the Yxy color 79.9873, 0.3059, 0.3322.

# 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

79.9873, 0.3059, 0.3322

### Protanopia

79.9129, 0.3168, 0.3300

### Deuteranopia

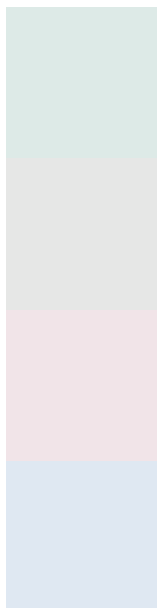
79.8899, 0.3265, 0.3201



## Tritanopia

79.8387, 0.2970, 0.3103

# Trichromacy



## Original Color

79.9873, 0.3059, 0.3322

## Protanomaly

79.6880, 0.3127, 0.3300

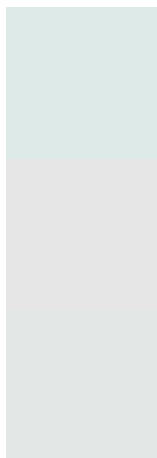
## Deuteranomaly

80.0138, 0.3191, 0.3249

## Tritanomaly

79.8120, 0.3006, 0.3185

# Monochromacy



## Original Color

79.9873, 0.3059, 0.3322

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.1959, 0.3106, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9873, 0.3059, 0.3322 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(221, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 231)  
}
```

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(221, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9873, 0.3059, 0.3322 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(221, 234, 231) }
```

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

```
.border{ border-color:rgb(221, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9873, 0.3059, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 231) }
```

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

```
.background{ background-color: rgb(221,  
234, 231) }
```

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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