

# Converting Colors

$Yxy(81.3840, 0.3029, 0.3275)$

Have a look what the booklet for  
Yxy(81.3840, 0.3029, 0.3275)  
contains.

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# Color

**Yxy(81.6349, 0.3029, 0.3279)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEECED
RGB	222, 236, 237
RGB Percent	87%, 93%, 93%
CMY	0.1294, 0.0745, 0.0705
CMYK	0.06, 0.00, 0.00, 0.07
HSL	184°, 29%, 90%
HSV	184°, 6%, 93%
XYZ	75.4108, 81.6349, 91.9171
YIQ	231.9280, -8.6650, -2.6570

# Conversions

## Conversions Part 2

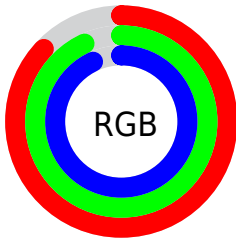
Format	Color
R <sub>Y</sub> B	222, 229, 237
Decimal	14609645
CIE Lab	92.41, -4.42, -2.10
CIE LCh	92, 4.893, 205.422
Yxy	81.6349, 0.3029, 0.3279
Android (android.graphics.Color)	4292799725 (0xFFDEECD)
YUV	231.9280, 2.5005, -8.7069
Hunter-Lab	90.3520, -9.1340, 2.9294

# Details

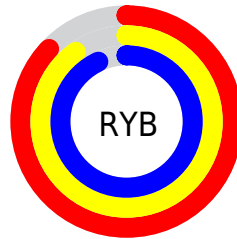
The Yxy color **81.6349, 0.3029, 0.3279** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0767, 0.3233, 0.3301**, and the grayscale version is **80.6296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1942, 0.3010, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **77.2313, 0.2879, 0.3260**, and if you desaturate by 10%, it is **86.5799, 0.3185, 0.3296**.

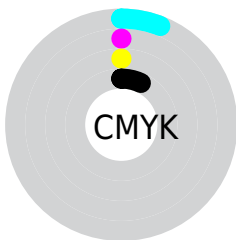
# Distribution



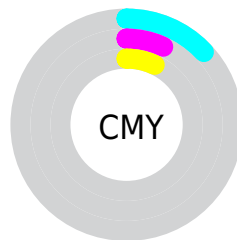
- Red (87%)
- Green (93%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




- Cyan (13%)
- Magenta (7%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6349, 0.3029, 0.3279 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 81.6349, 0.3029, 0.3279 by changing the saturation by 10% instead.



 81.6349, 0.3029,  
0.3279

 81.6349, 0.3029,  
0.3279


500.4256, 0.3073,  
0.3284

 61.0646, 0.3019,  
0.3278


135.6619, 0.3044,  
0.3281

 44.2773, 0.3007,  
0.3276


169.8874, 0.3050,  
0.3282

 30.8886, 0.2992,  
0.3274


209.4335, 0.3055,  
0.3282

 20.5140, 0.2972,  
0.3272

254.6844, 0.3060,  
0.3283

 12.7692, 0.2946,  
0.3268

306.0248, 0.3064,  
0.3283

 7.2698, 0.2909,  
0.3263

363.8388, 0.3067,

 3.6314, 0.2853,

0.3284

428.5110, 0.3071,  
0.3284

0.3255

1.4696, 0.2758,  
0.3240

0.2672, 0.1716,  
0.3140

81.6349, 0.3029,  
0.3279

81.6349, 0.3029,  
0.3279

77.2313, 0.2879,  
0.3260

86.5799, 0.3185,  
0.3296

73.3368, 0.2738,  
0.3240

89.2385, 0.3246,  
0.3312

69.9316, 0.2608,  
0.3219

90.1871, 0.3244,  
0.3328

66.9904, 0.2493,  
0.3197

91.1442, 0.3243,  
0.3343

64.4857, 0.2395,  
0.3174

92.1097, 0.3242,  
0.3359

62.3872, 0.2316,  
0.3151

93.0837, 0.3240,  
0.3374

60.6602, 0.2257,  
0.3127

94.0662, 0.3239,  
0.3390

59.2645, 0.2216,  
0.3104

95.0573, 0.3237,  
0.3405

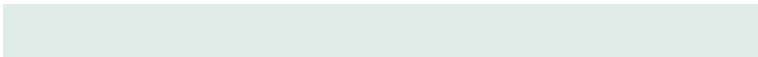
58.1498, 0.2193,  
0.3081

96.0568, 0.3236,  
0.3421

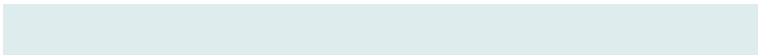
# Harmonies

## Analogous

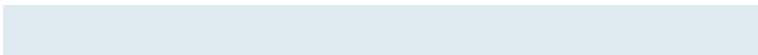
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6349, 0.3067, 0.3330



81.6349, 0.3029, 0.3279



81.6349, 0.3017, 0.3232

# Triad

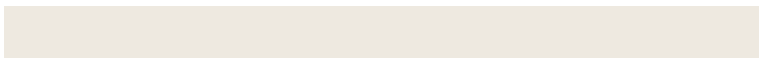
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6349, 0.3029, 0.3279



81.6349, 0.3133, 0.3212



81.6349, 0.3221, 0.3380

# Complementary

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



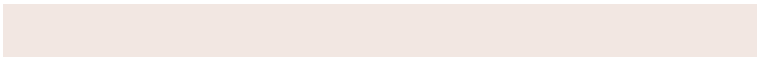
81.6349, 0.3029, 0.3279



76.0767, 0.3233, 0.3301

# 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.



81.6349, 0.3239, 0.3347



81.6349, 0.3029, 0.3279



81.6349, 0.3188, 0.3251

# Square

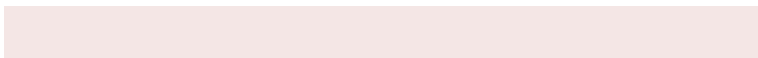
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6349, 0.3029, 0.3279



81.6349, 0.3077, 0.3194



81.6349, 0.3226, 0.3300



81.6349, 0.3177, 0.3389

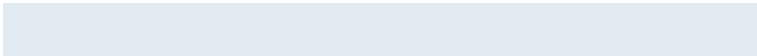


# Rectangle

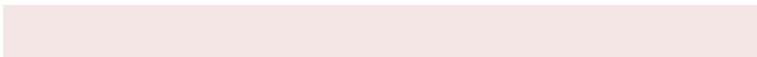
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



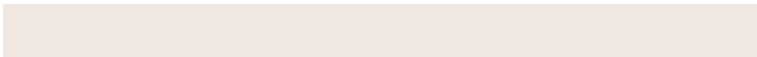
81.6349, 0.3029, 0.3279



81.6349, 0.3026, 0.3209



81.6349, 0.3226, 0.3300



81.6349, 0.3230, 0.3371

# Sweetspot

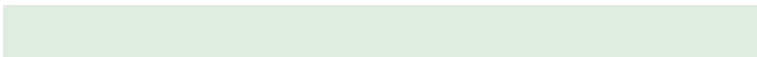
The Sweet Spot groups the original color and five complimentary colors.



81.6384, 0.3029, 0.3279



98.8246, 0.3096, 0.3287



81.4403, 0.3114, 0.3439



21.1649, 0.3097, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

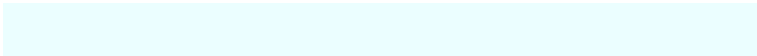


# Same Dimension

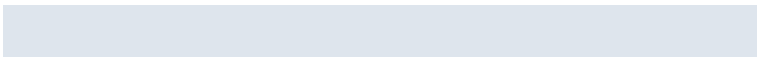
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6384, 0.3029, 0.3279



95.4527, 0.3003, 0.3276



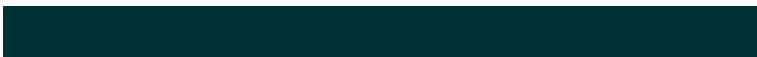
77.4193, 0.3030, 0.3200



16.9363, 0.2981, 0.3273



31.6193, 0.2188, 0.3077



2.5357, 0.2197, 0.3108



# Inverse Universe

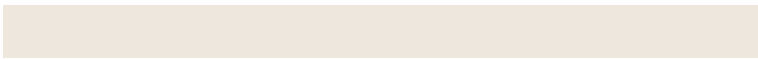
The Inverse Universe completely reimagines the original color for something new.



76.3146, 0.3141, 0.3146



87.5789, 0.3145, 0.3107



80.1648, 0.3227, 0.3378



15.2951, 0.3148, 0.3073



12.6848, 0.3387, 0.1640

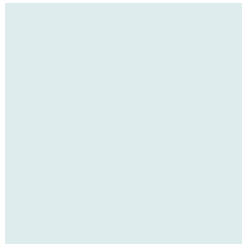


1.0014, 0.3360, 0.1625



# Previews

## White Background



This preview shows how the Yxy color 81.6349, 0.3029, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

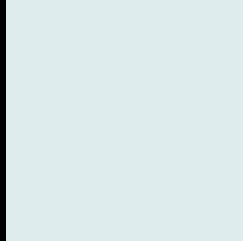
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6349, 0.3029, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

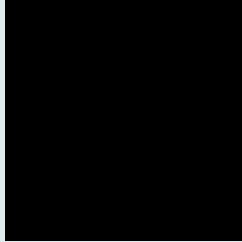
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

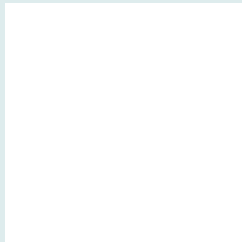
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.6349, 0.3029, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6349, 0.3029, 0.3279.

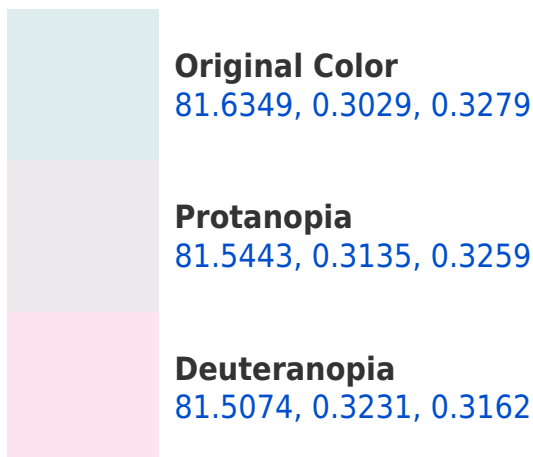


This preview shows how white text looks on a background with the Yxy color 81.6349, 0.3029, 0.3279.

# 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

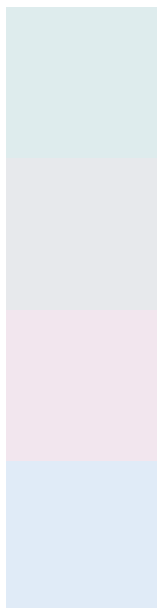




## Tritanopia

81.8815, 0.2959, 0.3105

# Trichromacy



## Original Color

81.6349, 0.3029, 0.3279

## Protanomaly

81.3229, 0.3095, 0.3259

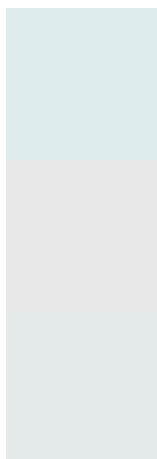
## Deuteranomaly

81.6439, 0.3158, 0.3209

## Tritanomaly

81.9794, 0.2983, 0.3166

# Monochromacy



## Original Color

81.6349, 0.3029, 0.3279

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.7123, 0.3087, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6349, 0.3029, 0.3279 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, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 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, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6349, 0.3029, 0.3279 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, 236, 237) }
```

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

```
.border{ border-color:rgb(222, 236, 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, 236, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6349, 0.3029, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 236, 237) }
```

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

```
.background{ background-color: rgb(222,  
236, 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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