

# Converting Colors

$Yxy(81.0977, 0.2999, 0.3224)$

Have a look what the booklet for  
Yxy(81.0977, 0.2999, 0.3224)  
contains.

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# Color

**Yxy(81.1397, 0.2999, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEBF1
RGB	221, 235, 241
RGB Percent	87%, 92%, 95%
CMY	0.1332, 0.0784, 0.0550
CMYK	0.08, 0.02, 0.00, 0.05
HSL	198°, 42%, 91%
HSV	198°, 8%, 95%
XYZ	75.4069, 81.1397, 94.8935
YIQ	231.4980, -10.2700, -1.1020

# Conversions

## Conversions Part 2

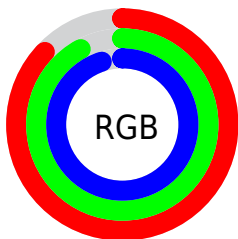
Format	Color
R <sub>Y</sub> B	221, 229, 241
Decimal	14543857
CIE Lab	92.19, -3.48, -4.50
CIE LCh	92, 5.687, 232.265
Yxy	81.1397, 0.2999, 0.3227
Android (android.graphics.Color)	4292733937 (0xFFDDEBF1)
YUV	231.4980, 4.6845, -9.2067
Hunter-Lab	90.0776, -8.2076, 0.5944

# Details

The Yxy color **81.1397, 0.2999, 0.3227** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8611, 0.3264, 0.3352**, and the grayscale version is **80.2754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8500, 0.2971, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **73.5749, 0.2844, 0.3144**, and if you desaturate by 10%, it is **89.4223, 0.3154, 0.3302**.

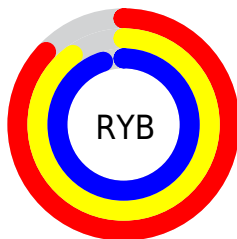
# Distribution



Red (87%)

Green (92%)

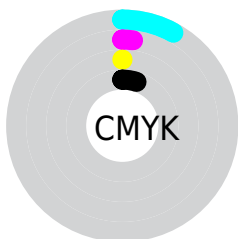
Blue (95%)



Red (87%)

Yellow (90%)

Blue (95%)

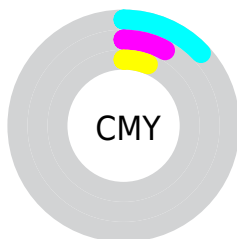


Cyan (8%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (13%)

Magenta (8%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1397, 0.2999, 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 81.1397, 0.2999, 0.3227 by changing the saturation by 10% instead.



81.1397, 0.2999,  
0.3227

81.1397, 0.2999,  
0.3227

498.7654, 0.3057,  
0.3256

60.6567, 0.2986,  
0.3220

134.9669, 0.3019,  
0.3237

43.9481, 0.2970,  
0.3212

169.0799, 0.3027,  
0.3241

30.6297, 0.2950,  
0.3202

208.5049, 0.3033,  
0.3244

20.3171, 0.2925,  
0.3189

253.6265, 0.3039,  
0.3247

12.6257, 0.2890,  
0.3171

304.8289, 0.3045,  
0.3250

7.1713, 0.2842,  
0.3146

362.4966, 0.3049,

3.5695, 0.2769,

0.3252

0.3107

427.0140, 0.3053,  
0.3254

■ 1.4358, 0.2647,  
0.3039

■ 0.2429, 0.1507,  
0.2510

■ 81.1397, 0.2999,  
0.3227

■ 81.1397, 0.2999,  
0.3227

■ 73.5749, 0.2844,  
0.3144

■ 89.4223, 0.3154,  
0.3302

■ 66.6926, 0.2692,  
0.3053

■ 95.6386, 0.3213,  
0.3372

■ 60.4695, 0.2545,  
0.2954

■ 99.1300, 0.3209,  
0.3425

■ 54.8770, 0.2408,  
0.2849

■ 49.8838, 0.2284,  
0.2739

■ 45.4554, 0.2176,  
0.2626

■ 41.5526, 0.2087,  
0.2511

■ 38.1298, 0.2019,  
0.2396

■ 35.1234, 0.1970,  
0.2284

# Harmonies

## Analogous

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



81.1397, 0.3016, 0.3283



81.1397, 0.2999, 0.3227



81.1397, 0.3016, 0.3188

# Triad

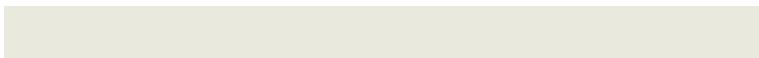
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1397, 0.2999, 0.3227



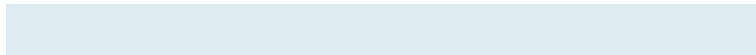
81.1397, 0.3191, 0.3239



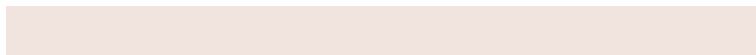
81.1397, 0.3192, 0.3405

# Complementary

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



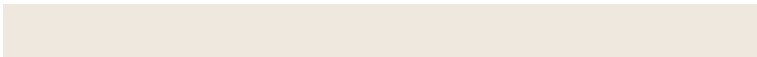
81.1397, 0.2999, 0.3227



78.8611, 0.3264, 0.3352

# Split Complementary

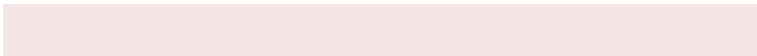
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1397, 0.3240, 0.3392



81.1397, 0.2999, 0.3227



81.1397, 0.3239, 0.3295

# Square

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



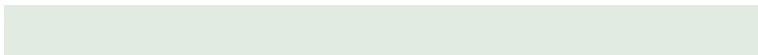
81.1397, 0.2999, 0.3227



81.1397, 0.3126, 0.3196



81.1397, 0.3257, 0.3351



81.1397, 0.3127, 0.3387



# Rectangle

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



81.1397, 0.2999, 0.3227



81.1397, 0.3044, 0.3178



81.1397, 0.3257, 0.3351



81.1397, 0.3211, 0.3404

# Sweetspot

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



81.1431, 0.2999, 0.3227



98.0741, 0.3096, 0.3275



83.8058, 0.3083, 0.3441



21.0121, 0.3098, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

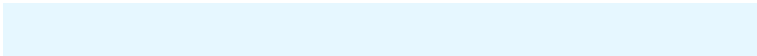


# Same Dimension

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



81.1431, 0.2999, 0.3227



90.7003, 0.2972, 0.3213



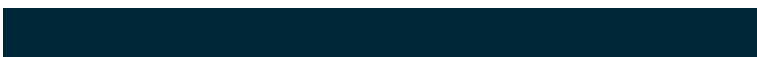
75.7640, 0.2999, 0.3125



17.0824, 0.2981, 0.3218



19.0310, 0.1968, 0.2283



1.7563, 0.2009, 0.2431

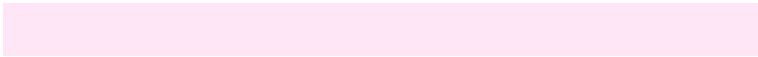


# Inverse Universe

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



76.4209, 0.3176, 0.3147



84.3132, 0.3187, 0.3116



84.2914, 0.3255, 0.3450



15.9460, 0.3184, 0.3126



11.7145, 0.4145, 0.2057

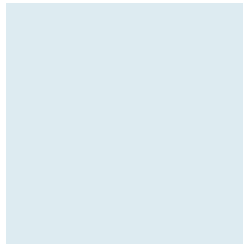


0.9920, 0.3991, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 81.1397, 0.2999, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

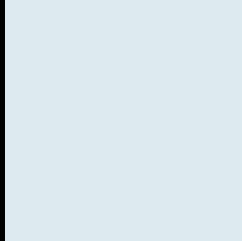
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1397, 0.2999, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

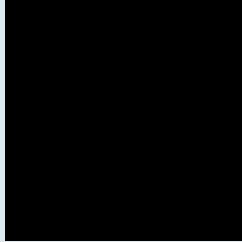
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

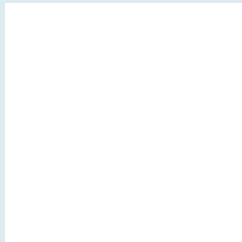
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1397, 0.2999, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1397, 0.2999, 0.3227.

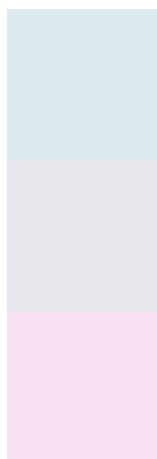


This preview shows how white text looks on a background with the Yxy color 81.1397, 0.2999, 0.3227.

# 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

81.1397, 0.2999, 0.3227

### Protanopia

81.0460, 0.3104, 0.3208

### Deuteranopia

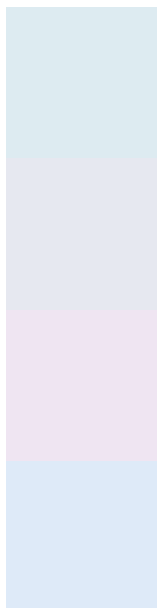
80.6455, 0.3184, 0.3112



## Tritanopia

80.9941, 0.2947, 0.3094

# Trichromacy



## Original Color

81.1397, 0.2999, 0.3227

## Protanomaly

80.8275, 0.3064, 0.3207

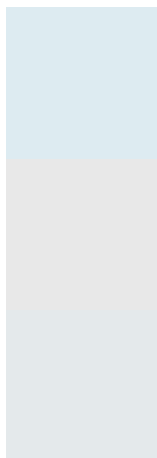
## Deuteranomaly

80.8002, 0.3113, 0.3158

## Tritanomaly

81.1525, 0.2964, 0.3144

# Monochromacy



## Original Color

81.1397, 0.2999, 0.3227

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.7700, 0.3081, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1397, 0.2999, 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(221, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 241)  
}
```

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, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1397, 0.2999, 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(221, 235, 241) }
```

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

```
.border{ border-color:rgb(221, 235, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 235, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(221, 235,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1397, 0.2999, 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(221, 235, 241) }
```

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

```
.background{ background-color: rgb(221,  
235, 241) }
```

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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