

# Converting Colors

Yxy(81.6680, 0.3043, 0.3466)

Have a look what the booklet for  
Yxy(81.6680, 0.3043, 0.3466)  
contains.

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# Color

**Yxy(81.6990, 0.3041, 0.3462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F0E0
RGB	212, 240, 224
RGB Percent	83%, 94%, 88%
CMY	0.1687, 0.0588, 0.1215
CMYK	0.12, 0.00, 0.07, 0.06
HSL	146°, 48%, 89%
HSV	146°, 12%, 94%
XYZ	71.7639, 81.6990, 82.5250
YIQ	229.8040, -11.5520, -10.9120

# Conversions

## Conversions Part 2

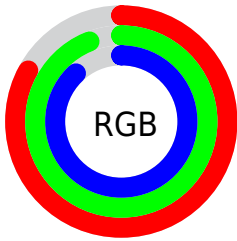
Format	Color
R <sub>Y</sub> B	212, 232, 240
Decimal	13955296
CIE Lab	92.44, -12.13, 4.62
CIE LCh	92, 12.977, 159.149
Yxy	81.6990, 0.3041, 0.3462
Android (android.graphics.Color)	4292145376 (0xFFD4F0E0)
YUV	229.8040, -2.8614, -15.6141
Hunter-Lab	90.3875, -16.4566, 9.1387

# Details

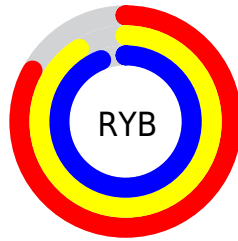
The Yxy color **81.6990, 0.3041, 0.3462** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2031, 0.3224, 0.3124**, and the grayscale version is **79.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3137, 0.3018, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **77.6840, 0.2969, 0.3628**, and if you desaturate by 10%, it is **86.3109, 0.3115, 0.3313**.

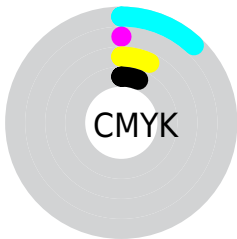
# Distribution



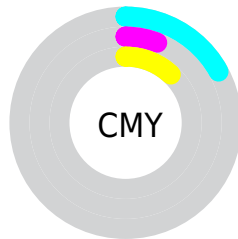
- Red (83%)
- Green (94%)
- Blue (88%)



- Red (83%)
- Yellow (91%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6990, 0.3041, 0.3462 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 81.6990, 0.3041, 0.3462 by changing the saturation by 10% instead.



81.6990, 0.3041,  
0.3462

81.6990, 0.3041,  
0.3462

500.6403, 0.3081,  
0.3383

61.1175, 0.3032,  
0.3480

135.7518, 0.3055,  
0.3435

44.3200, 0.3021,  
0.3502

169.9919, 0.3060,  
0.3424

30.9221, 0.3007,  
0.3530

209.5536, 0.3065,  
0.3415

20.5396, 0.2989,  
0.3566

254.8213, 0.3069,  
0.3407

12.7879, 0.2964,  
0.3616

306.1794, 0.3072,  
0.3400

7.2826, 0.2929,  
0.3687

364.0124, 0.3075,

3.6395, 0.2873,

0.3394

0.3797

428.7045, 0.3078,  
0.3388

■ 1.4740, 0.2776,  
0.3993

■ 0.2703, 0.0000,  
1.0000

■ 81.6990, 0.3041,  
0.3462

■ 81.6990, 0.3041,  
0.3462

■ 77.6840, 0.2969,  
0.3628

■ 86.3109, 0.3115,  
0.3313

■ 74.2307, 0.2902,  
0.3813

■ 90.5754, 0.3156,  
0.3180

■ 71.3162, 0.2843,  
0.4013

■ 90.8052, 0.3134,  
0.3146

■ 68.9117, 0.2794,  
0.4227

■ 66.9858, 0.2759,  
0.4450

■ 65.5034, 0.2742,  
0.4676

■ 64.4244, 0.2745,  
0.4897

■ 63.7007, 0.2766,  
0.5105

■ 63.3074, 0.2796,  
0.5265

# Harmonies

## Analogous

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



81.6990, 0.3192, 0.3541



81.6990, 0.3041, 0.3462



81.6990, 0.2915, 0.3334

# Triad

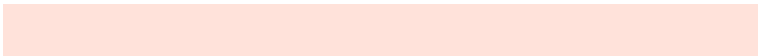
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6990, 0.3041, 0.3462



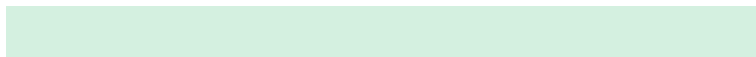
81.6990, 0.2926, 0.3038



81.6990, 0.3417, 0.3373

# Complementary

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



81.6990, 0.3041, 0.3462



71.2031, 0.3224, 0.3124

# 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.



81.6990, 0.3342, 0.3243



81.6990, 0.3041, 0.3462



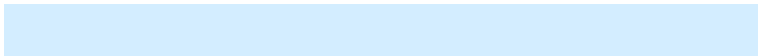
81.6990, 0.3057, 0.3053

# Square

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



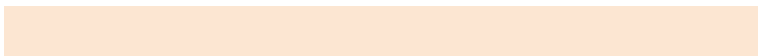
81.6990, 0.3041, 0.3462



81.6990, 0.2850, 0.3089



81.6990, 0.3210, 0.3127



81.6990, 0.3412, 0.3485



# Rectangle

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



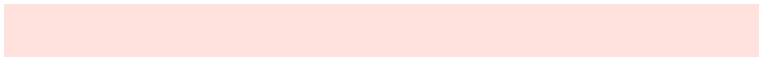
81.6990, 0.3041, 0.3462



81.6990, 0.2861, 0.3240



81.6990, 0.3210, 0.3127



81.6990, 0.3400, 0.3330

# Sweetspot

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



81.7025, 0.3041, 0.3462



97.7475, 0.3097, 0.3346



83.6256, 0.3222, 0.3586



20.8340, 0.3092, 0.3357



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

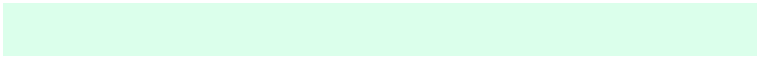


# Same Dimension

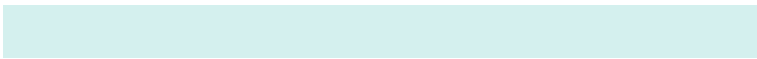
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7025, 0.3041, 0.3462



92.6041, 0.3024, 0.3500



82.4731, 0.2961, 0.3314



17.7692, 0.3057, 0.3428



34.6781, 0.2788, 0.5235



2.9045, 0.2716, 0.4976



# Inverse Universe

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



71.2031, 0.3224, 0.3124



78.3507, 0.3246, 0.3089



70.4749, 0.3321, 0.3266



15.9099, 0.3204, 0.3156



11.1547, 0.4663, 0.2342

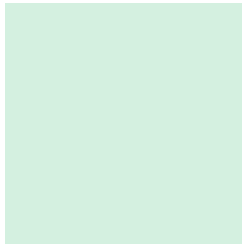


0.9479, 0.4418, 0.2208



# Previews

## White Background



This preview shows how the Yxy color 81.6990, 0.3041, 0.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

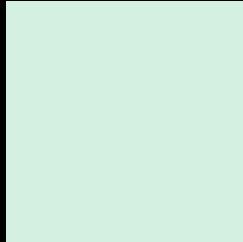
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6990, 0.3041, 0.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

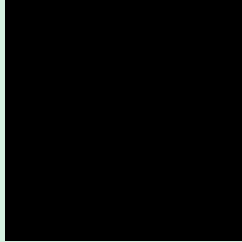
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

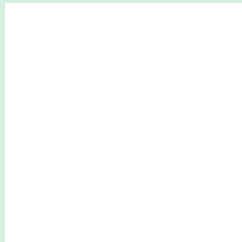
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.6990, 0.3041, 0.3462**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6990, 0.3041, 0.3462.

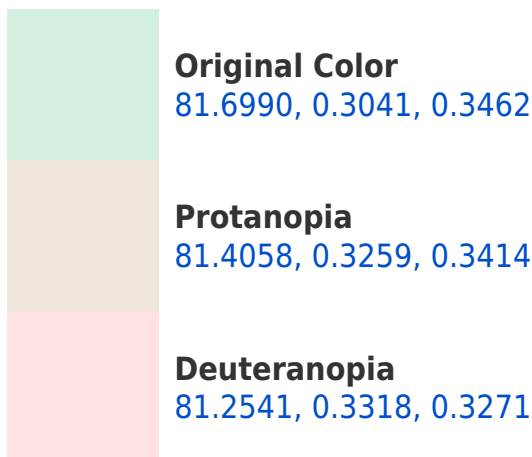


This preview shows how white text looks on a background with the Yxy color 81.6990, 0.3041, 0.3462.

# 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

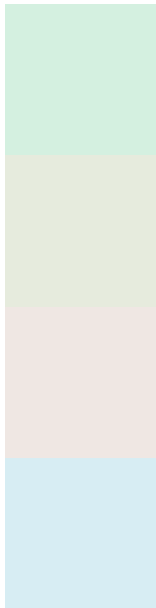




## Tritanopia

81.8984, 0.2898, 0.3103

# Trichromacy



**Original Color**

81.6990, 0.3041, 0.3462

**Protanomaly**

81.4601, 0.3181, 0.3437

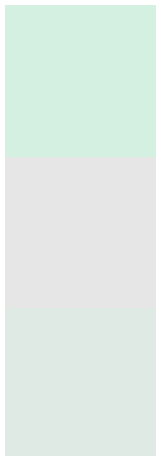
**Deuteranomaly**

81.0486, 0.3208, 0.3331

**Tritanomaly**

81.4865, 0.2949, 0.3226

# Monochromacy



**Original Color**

81.6990, 0.3041, 0.3462

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

80.1350, 0.3091, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6990, 0.3041, 0.3462 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(212, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 224)  
}
```

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(212, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6990, 0.3041, 0.3462 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(212, 240, 224) }
```

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

```
.border{ border-color:rgb(212, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6990, 0.3041, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 240, 224) }
```

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

```
.background{ background-color: rgb(212,  
240, 224) }
```

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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