

# Converting Colors

$Yxy(81.5724, 0.3082, 0.3375)$

Have a look what the booklet for  
Yxy(81.5724, 0.3082, 0.3375)  
contains.

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# Color

**Yxy(81.7551, 0.3077, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEDE5
RGB	222, 237, 229
RGB Percent	87%, 93%, 90%
CMY	0.1293, 0.0706, 0.1019
CMYK	0.06, 0.00, 0.03, 0.07
HSL	148°, 29%, 90%
HSV	148°, 6%, 93%
XYZ	74.5585, 81.7551, 85.9955
YIQ	231.6030, -6.3720, -5.6680

# Conversions

## Conversions Part 2

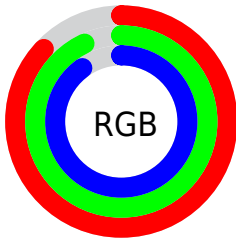
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 232, 237
Decimal	14609893
CIE Lab	92.47, -6.40, 2.14
CIE LCh	92, 6.748, 161.504
Yxy	81.7551, 0.3077, 0.3374
Android (android.graphics.Color)	4292799973 (0xFFDEEDE5)
YUV	231.6030, -1.2833, -8.4218
Hunter-Lab	90.4185, -11.0425, 6.9033

# Details

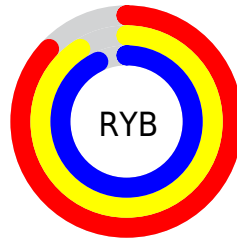
The Yxy color **81.7551, 0.3077, 0.3374** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9718, 0.3181, 0.3207**, and the grayscale version is **80.4027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3192, 0.3063, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **77.5954, 0.2999, 0.3520**, and if you desaturate by 10%, it is **86.4990, 0.3156, 0.3244**.

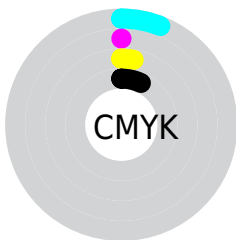
# Distribution



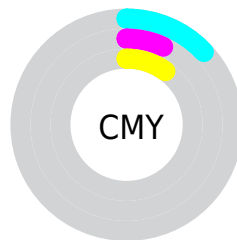
- Red (87%)
- Green (93%)
- Blue (90%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7551, 0.3077, 0.3374 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 81.7551, 0.3077, 0.3374 by changing the saturation by 10% instead.



81.7551, 0.3077,  
0.3374

81.7551, 0.3077,  
0.3374

500.8281, 0.3100,  
0.3336

61.1637, 0.3072,  
0.3383

135.8305, 0.3085,  
0.3361

44.3573, 0.3066,  
0.3393

170.0833, 0.3088,  
0.3356

30.9515, 0.3058,  
0.3407

209.6587, 0.3091,  
0.3351

20.5619, 0.3047,  
0.3424

254.9410, 0.3093,  
0.3347

12.8042, 0.3033,  
0.3447

306.3148, 0.3095,  
0.3344

7.2938, 0.3013,  
0.3481

364.1643, 0.3097,

3.6465, 0.2983,

0.3341

428.8739, 0.3098,  
0.3338

0.3532

1.4779, 0.2931,  
0.3621

0.2731, 0.1972,  
0.5210

81.7551, 0.3077,  
0.3374

81.7551, 0.3077,  
0.3374

77.5954, 0.2999,  
0.3520

86.4990, 0.3156,  
0.3244

73.9866, 0.2924,  
0.3683

88.9995, 0.3140,  
0.3124

70.9077, 0.2856,  
0.3861

89.0469, 0.3135,  
0.3117

68.3324, 0.2797,  
0.4053

■ 66.2320, 0.2751,  
0.4256

■ 64.5748, 0.2722,  
0.4466

■ 63.3250, 0.2711,  
0.4677

■ 62.4411, 0.2720,  
0.4882

■ 61.8713, 0.2749,  
0.5075

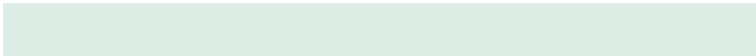
# Harmonies

## Analogous

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



81.7551, 0.3156, 0.3417



81.7551, 0.3077, 0.3374



81.7551, 0.3012, 0.3308

# Triad

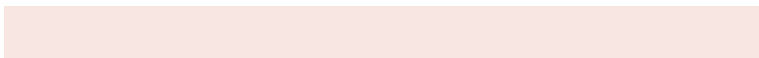
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7551, 0.3077, 0.3374



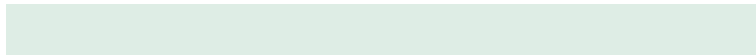
81.7551, 0.3027, 0.3157



81.7551, 0.3278, 0.3340

# Complementary

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



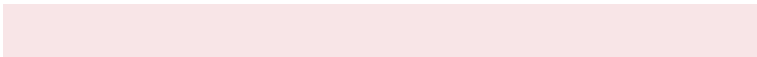
81.7551, 0.3077, 0.3374



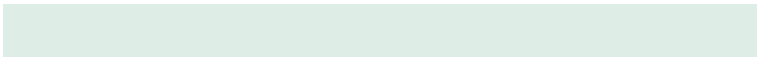
75.9718, 0.3181, 0.3207

# 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.



81.7551, 0.3243, 0.3271



81.7551, 0.3077, 0.3374



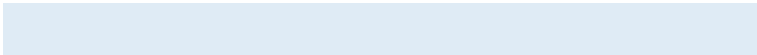
81.7551, 0.3097, 0.3167

# Square

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



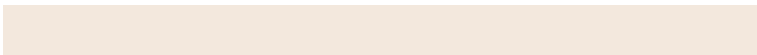
81.7551, 0.3077, 0.3374



81.7551, 0.2984, 0.3183



81.7551, 0.3177, 0.3209



81.7551, 0.3273, 0.3396



# Rectangle

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



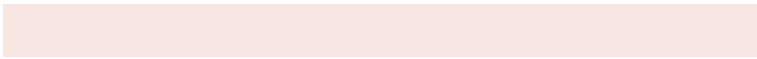
81.7551, 0.3077, 0.3374



81.7551, 0.2986, 0.3260



81.7551, 0.3177, 0.3209



81.7551, 0.3271, 0.3317

# Sweetspot

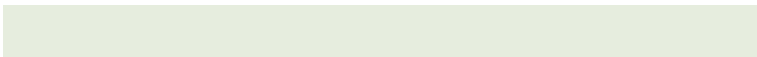
The Sweet Spot groups the original color and five complimentary colors.



81.7586, 0.3077, 0.3374



98.8718, 0.3111, 0.3316



82.6666, 0.3173, 0.3447



21.1745, 0.3112, 0.3315



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.



81.7586, 0.3077, 0.3374



95.6542, 0.3063, 0.3398



82.1853, 0.3032, 0.3295



16.9794, 0.3052, 0.3418



33.7183, 0.2754, 0.5113



2.6670, 0.2680, 0.4849



# Inverse Universe

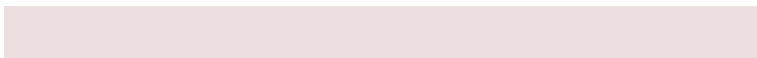
The Inverse Universe completely reimagines the original color for something new.



75.9718, 0.3181, 0.3207



87.0687, 0.3196, 0.3185



75.5607, 0.3231, 0.3285



15.1881, 0.3210, 0.3165



10.6818, 0.4819, 0.2428

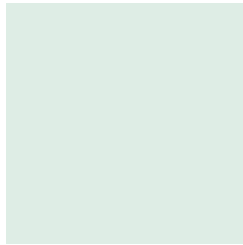


0.8582, 0.4535, 0.2272



# Previews

## White Background



This preview shows how the Yxy color 81.7551, 0.3077, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

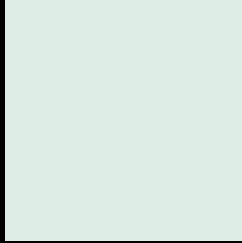
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7551, 0.3077, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

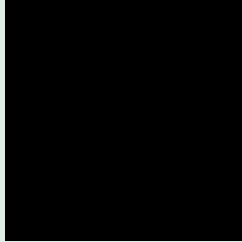
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

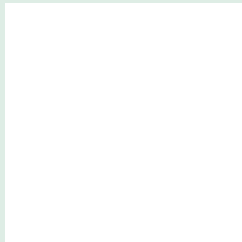
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.7551, 0.3077, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7551, 0.3077, 0.3374.

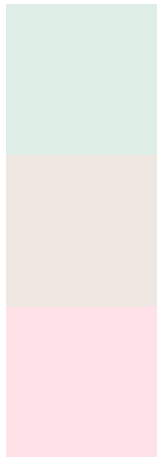


This preview shows how white text looks on a background with the Yxy color 81.7551, 0.3077, 0.3374.

# 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**

81.7551, 0.3077, 0.3374

**Protanopia**

81.5549, 0.3213, 0.3352

**Deuteranopia**

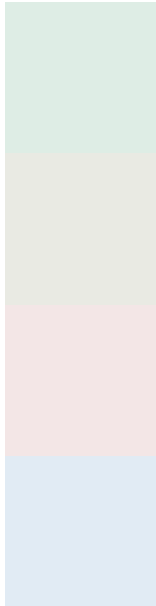
81.4222, 0.3298, 0.3241



## Tritanopia

82.0427, 0.2966, 0.3105

# Trichromacy



## Original Color

81.7551, 0.3077, 0.3374

## Protanomaly

81.7153, 0.3164, 0.3363

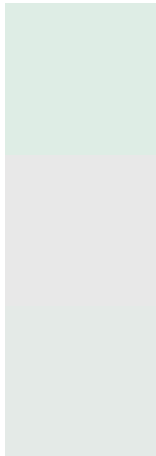
## Deuteranomaly

81.3615, 0.3217, 0.3290

## Tritanomaly

81.9559, 0.3007, 0.3197

# Monochromacy



## Original Color

81.7551, 0.3077, 0.3374

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.1091, 0.3106, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7551, 0.3077, 0.3374 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, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 229)  
}
```

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, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7551, 0.3077, 0.3374 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, 237, 229) }
```

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

```
.border{ border-color:rgb(222, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7551, 0.3077, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 229) }
```

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

```
.background{ background-color: rgb(222,  
237, 229) }
```

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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