

# Converting Colors

$Yxy(81.6127, 0.3062, 0.3329)$

Have a look what the booklet for  
Yxy(81.6127, 0.3062, 0.3329)  
contains.

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# Color

**Yxy(81.5051, 0.3066, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFECE8
RGB	223, 236, 232
RGB Percent	87%, 93%, 91%
CMY	0.1253, 0.0745, 0.0903
CMYK	0.05, 0.00, 0.02, 0.07
HSL	161°, 25%, 90%
HSV	161°, 5%, 93%
XYZ	74.9984, 81.5051, 88.1097
YIQ	231.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

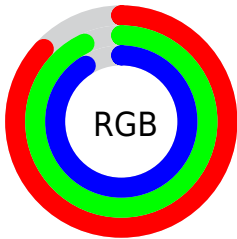
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 231, 236
Decimal	14675176
CIE Lab	92.36, -5.02, 0.45
CIE LCh	92, 5.037, 174.908
Yxy	81.5051, 0.3066, 0.3332
Android (android.graphics.Color)	4292865256 (0xFFDFECE8)
YUV	231.6570, 0.1691, -7.5922
Hunter-Lab	90.2802, -9.7051, 5.3316

# Details

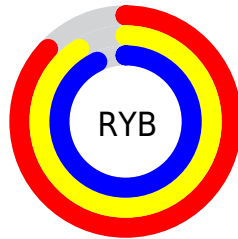
The Yxy color **81.5051, 0.3066, 0.3332** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1764, 0.3192, 0.3248**, and the grayscale version is **80.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1019, 0.3056, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **77.6100, 0.2957, 0.3415**, and if you desaturate by 10%, it is **85.9469, 0.3178, 0.3257**.

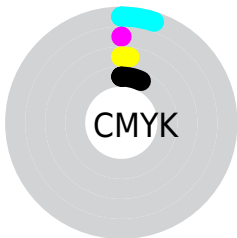
# Distribution



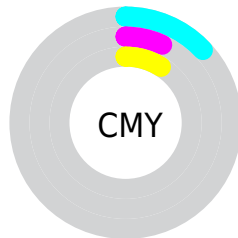
- Red (87%)
- Green (93%)
- Blue (91%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5051, 0.3066, 0.3332 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 81.5051, 0.3066, 0.3332 by changing the saturation by 10% instead.



81.5051, 0.3066,  
0.3332

81.5051, 0.3066,  
0.3332

499.9908, 0.3094,  
0.3313

60.9577, 0.3060,  
0.3336

135.4798, 0.3076,  
0.3325

44.1910, 0.3052,  
0.3341

169.6758, 0.3079,  
0.3323

30.8207, 0.3043,  
0.3348

209.1902, 0.3083,  
0.3321

20.4624, 0.3030,  
0.3357

254.4073, 0.3085,  
0.3319

12.7316, 0.3013,  
0.3368

305.7115, 0.3088,  
0.3317

7.2440, 0.2990,  
0.3384

363.4872, 0.3090,

3.6151, 0.2954,

0.3316

428.1188, 0.3092,  
0.3314

0.3409

■ 1.4607, 0.2893,  
0.3451

■ 0.2608, 0.1963,  
0.4082

■ 81.5051, 0.3066,  
0.3332

■ 81.5051, 0.3066,  
0.3332

■ 77.6100, 0.2957,  
0.3415

■ 85.9469, 0.3178,  
0.3257

■ 74.2294, 0.2855,  
0.3506

■ 87.9403, 0.3188,  
0.3187

■ 71.3438, 0.2761,  
0.3606

■ 88.3995, 0.3142,  
0.3117

■ 68.9281, 0.2679,  
0.3712

■ 88.4695, 0.3136,  
0.3107

■ 66.9550, 0.2612,  
0.3824

■ 65.3947, 0.2562,  
0.3941

■ 64.2130, 0.2532,  
0.4060

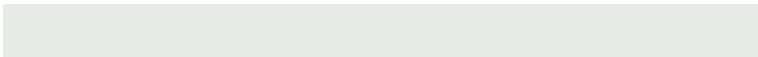
■ 63.3706, 0.2523,  
0.4179

■ 62.8188, 0.2533,  
0.4297

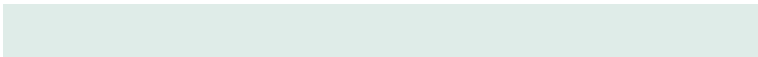
# Harmonies

## Analogous

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



81.5051, 0.3122, 0.3373



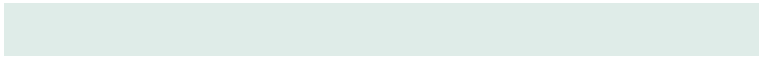
81.5051, 0.3066, 0.3332



81.5051, 0.3027, 0.3280

# Triad

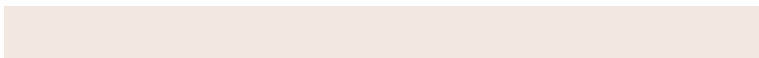
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5051, 0.3066, 0.3332



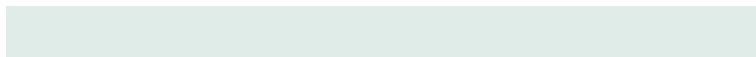
81.5051, 0.3074, 0.3191



81.5051, 0.3242, 0.3348

# Complementary

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



81.5051, 0.3066, 0.3332



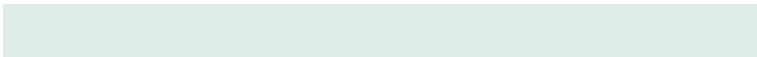
76.1764, 0.3192, 0.3248

# 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.



81.5051, 0.3229, 0.3299



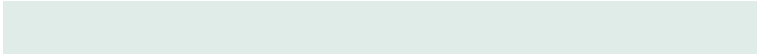
81.5051, 0.3066, 0.3332



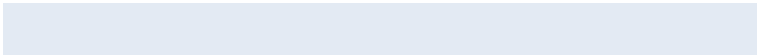
81.5051, 0.3132, 0.3209

# Square

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



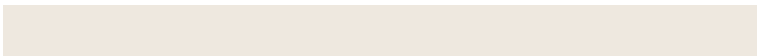
81.5051, 0.3066, 0.3332



81.5051, 0.3031, 0.3198



81.5051, 0.3188, 0.3249



81.5051, 0.3224, 0.3382



# Rectangle

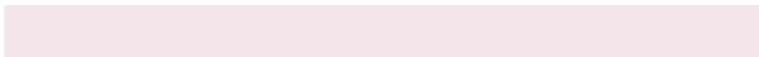
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



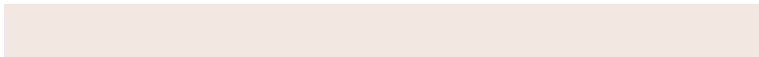
81.5051, 0.3066, 0.3332



81.5051, 0.3015, 0.3246



81.5051, 0.3188, 0.3249



81.5051, 0.3241, 0.3333

# Sweetspot

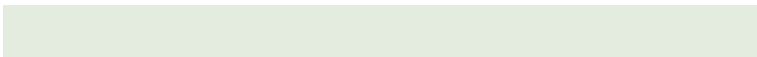
The Sweet Spot groups the original color and five complimentary colors.



81.5086, 0.3066, 0.3332



98.9442, 0.3105, 0.3305



81.6730, 0.3148, 0.3426



21.1892, 0.3106, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

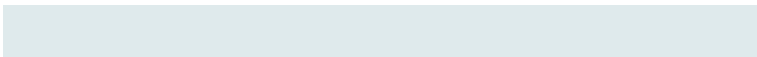
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5086, 0.3066, 0.3332



96.4194, 0.3049, 0.3344



80.3801, 0.3042, 0.3265



17.1994, 0.3043, 0.3349



34.5482, 0.2536, 0.4330



2.7300, 0.2491, 0.4168



# Inverse Universe

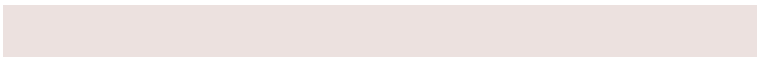
The Inverse Universe completely reimagines the original color for something new.



76.1764, 0.3192, 0.3248



88.3669, 0.3212, 0.3236



77.2362, 0.3217, 0.3315



15.6539, 0.3219, 0.3232



10.1160, 0.5724, 0.2927

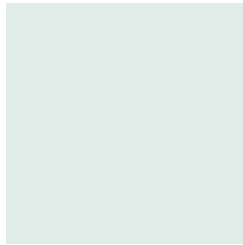


0.8111, 0.5331, 0.2711



# Previews

## White Background



This preview shows how the Yxy color 81.5051, 0.3066, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

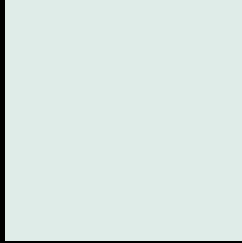
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5051, 0.3066, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

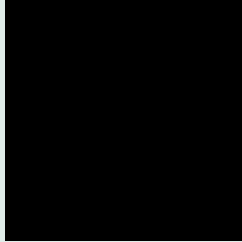
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

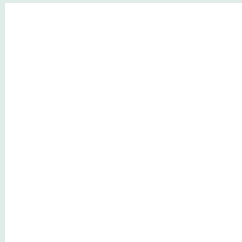
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.5051, 0.3066, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5051, 0.3066, 0.3332.

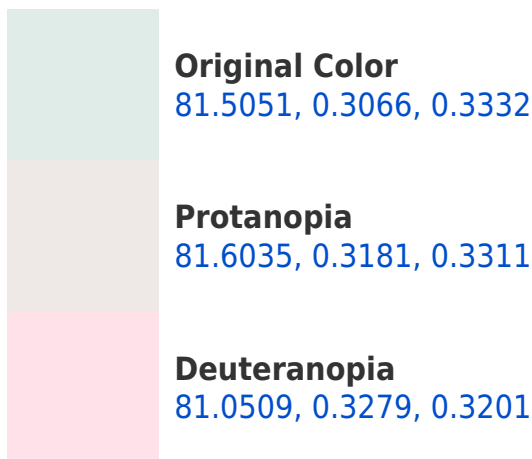


This preview shows how white text looks on a background with the Yxy color 81.5051, 0.3066, 0.3332.

# 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

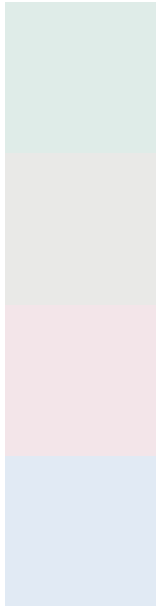




## Tritanopia

81.4116, 0.2972, 0.3105

# Trichromacy



## Original Color

81.5051, 0.3066, 0.3332

## Protanomaly

81.3710, 0.3140, 0.3311

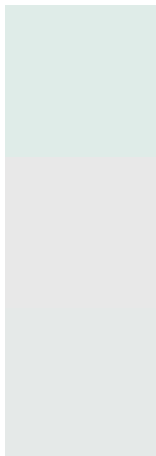
## Deuteranomaly

80.9765, 0.3198, 0.3250

## Tritanomaly

81.3848, 0.3007, 0.3186

# Monochromacy



## Original Color

81.5051, 0.3066, 0.3332

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.7620, 0.3106, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5051, 0.3066, 0.3332 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(223, 236, 232)` looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 232)  
}
```

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(223, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5051, 0.3066, 0.3332 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(223, 236, 232) }
```

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

```
.border{ border-color:rgb(223, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 236, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 236, 232);  
box-shadow:4px 4px 4px 4px rgb(223, 236,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5051, 0.3066, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 232) }
```

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

```
.background{ background-color: rgb(223,  
236, 232) }
```

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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