

# Converting Colors

Yxy(80.8403, 0.3107, 0.3418)

Have a look what the booklet for  
Yxy(80.8403, 0.3107, 0.3418)  
contains.

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# Color

**Yxy(80.9023, 0.3108, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEECE0
RGB	222, 236, 224
RGB Percent	87%, 93%, 88%
CMY	0.1292, 0.0745, 0.1215
CMYK	0.06, 0.00, 0.05, 0.07
HSL	129°, 27%, 90%
HSV	129°, 6%, 93%
XYZ	73.5863, 80.9023, 82.2755
YIQ	230.4460, -4.4920, -6.7000

# Conversions

## Conversions Part 2

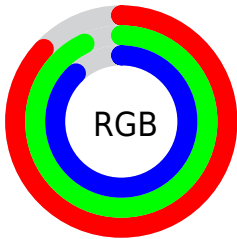
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 234, 236</a>
Decimal	<a href="#">14609632</a>
CIELab	<a href="#">92.09, -6.78, 4.19</a>
CIElCh	<a href="#">92, 7.973, 148.269</a>
Yxy	<a href="#">80.9023, 0.3108, 0.3417</a>
Android (android.graphics.Color)	<a href="#">4292799712 (0xFFDEECE0)</a>
YUV	<a href="#">230.4460, -3.1779, -7.4071</a>
Hunter-Lab	<a href="#">89.9457, -11.3707, 8.7280</a>

# Details

The Yxy color **80.9023, 0.3108, 0.3417** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0379, 0.3147, 0.3166**, and the grayscale version is **79.5124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7226, 0.3103, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **76.4015, 0.3075, 0.3655**, and if you desaturate by 10%, it is **86.0624, 0.3140, 0.3208**.

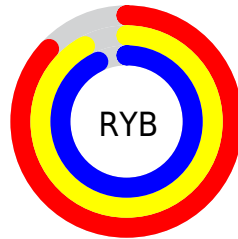
# Distribution



Red (87%)

Green (93%)

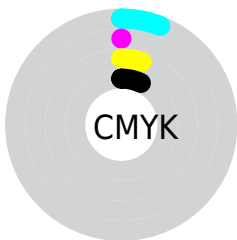
Blue (88%)



Red (87%)

Yellow (92%)

Blue (93%)

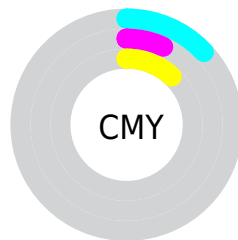


Cyan (6%)

Magenta (0%)

Yellow (5%)

Black (7%)



Cyan (13%)

Magenta (7%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9023, 0.3108, 0.3417 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 80.9023, 0.3108, 0.3417 by changing the saturation by 10% instead.



80.9023, 0.3108,  
0.3417

80.9023, 0.3108,  
0.3417

497.9685, 0.3117,  
0.3359

60.4611, 0.3106,  
0.3430

134.6336, 0.3111,  
0.3397

43.7904, 0.3103,  
0.3446

168.6925, 0.3112,  
0.3389

30.5058, 0.3100,  
0.3467

208.0594, 0.3113,  
0.3382

20.2228, 0.3096,  
0.3494

253.1188, 0.3114,  
0.3376

12.5571, 0.3090,  
0.3530

304.2550, 0.3115,  
0.3371

7.1243, 0.3081,  
0.3582

361.8524, 0.3116,

3.5400, 0.3067,

0.3367

0.3662

426.2954, 0.3116,  
0.3363

■ 1.4197, 0.3041,  
0.3803

■ 0.2312, 0.1899,  
0.8101

■ 80.9023, 0.3108,  
0.3417

■ 80.9023, 0.3108,  
0.3417

■ 76.4015, 0.3075,  
0.3655

■ 86.0624, 0.3140,  
0.3208

■ 72.5234, 0.3042,  
0.3922

■ 88.4661, 0.3136,  
0.3107

■ 69.2438, 0.3010,  
0.4216

■ 66.5326, 0.2982,  
0.4530

■ 64.3571, 0.2960,  
0.4851

■ 62.6816, 0.2947,  
0.5164

■ 61.4655, 0.2943,  
0.5448

■ 60.6622, 0.2950,  
0.5681

■ 60.2143, 0.2966,  
0.5850

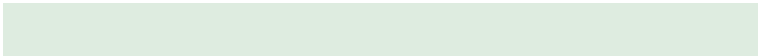
# Harmonies

## Analogous

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



80.9023, 0.3201, 0.3451



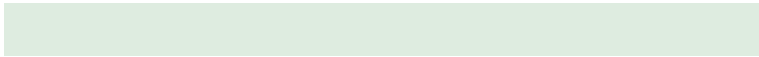
80.9023, 0.3108, 0.3417



80.9023, 0.3021, 0.3348

# Triad

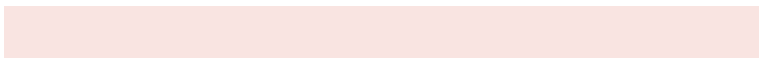
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9023, 0.3108, 0.3417



80.9023, 0.2981, 0.3141



80.9023, 0.3294, 0.3313

# Complementary

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



80.9023, 0.3108, 0.3417



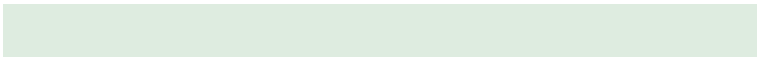
76.0379, 0.3147, 0.3166

# 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.



80.9023, 0.3233, 0.3233



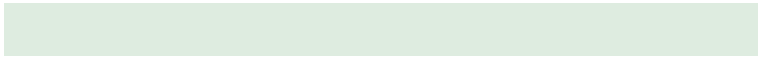
80.9023, 0.3108, 0.3417



80.9023, 0.3052, 0.3134

# Square

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



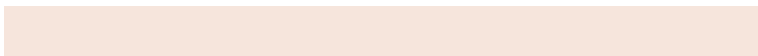
80.9023, 0.3108, 0.3417



80.9023, 0.2949, 0.3188



80.9023, 0.3144, 0.3168

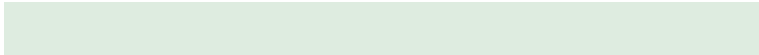


80.9023, 0.3309, 0.3389



# Rectangle

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



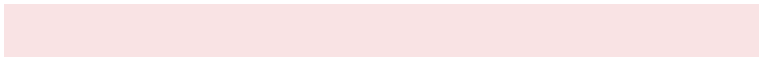
80.9023, 0.3108, 0.3417



80.9023, 0.2978, 0.3292



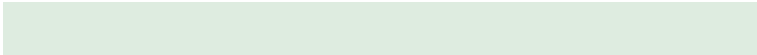
80.9023, 0.3144, 0.3168



80.9023, 0.3278, 0.3286

# Sweetspot

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



80.9058, 0.3108, 0.3417



98.7669, 0.3121, 0.3332



82.7771, 0.3202, 0.3435



21.1531, 0.3121, 0.3330



0.0000, 0.0000, 0.0000

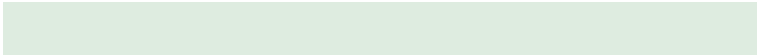


21.4041, 0.3127, 0.3290



# Same Dimension

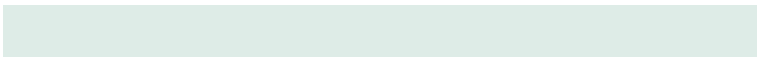
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9058, 0.3108, 0.3417



95.8231, 0.3104, 0.3442



81.2851, 0.3066, 0.3344



17.0850, 0.3103, 0.3455



33.1415, 0.2967, 0.5883



2.6133, 0.2909, 0.5674



# Inverse Universe

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



76.0379, 0.3147, 0.3166



88.9729, 0.3151, 0.3142



75.6517, 0.3192, 0.3237



15.7703, 0.3153, 0.3131



12.2069, 0.3604, 0.1759

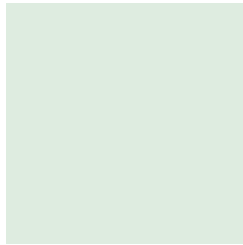


0.9686, 0.3541, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 80.9023, 0.3108, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

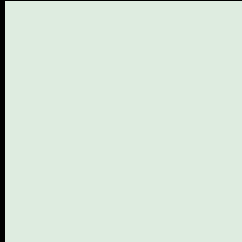
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9023, 0.3108, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

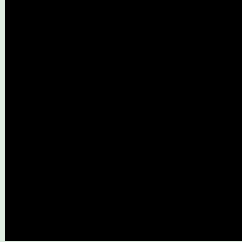
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

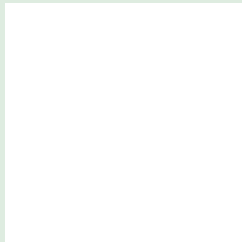
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9023, 0.3108, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9023, 0.3108, 0.3417.

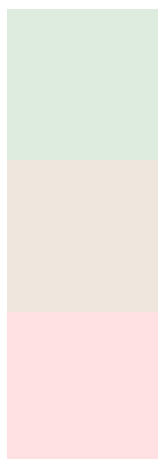


This preview shows how white text looks on a background with the Yxy color 80.9023, 0.3108, 0.3417.

# 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

80.9023, 0.3108, 0.3417

### Protanopia

80.7230, 0.3247, 0.3394

### Deuteranopia

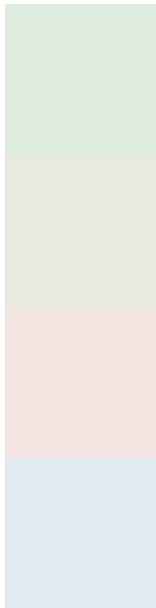
80.6565, 0.3326, 0.3271



## Tritanopia

80.7841, 0.2977, 0.3105

# Trichromacy



## Original Color

80.9023, 0.3108, 0.3417

## Protanomaly

80.8754, 0.3197, 0.3405

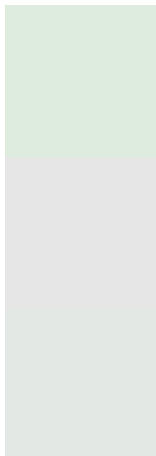
## Deuteranomaly

80.5843, 0.3244, 0.3321

## Tritanomaly

80.6363, 0.3025, 0.3206

# Monochromacy



## Original Color

80.9023, 0.3108, 0.3417

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.6456, 0.3118, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9023, 0.3108, 0.3417 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 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(222, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9023, 0.3108, 0.3417 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, 224) }
```

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

```
.border{ border-color:rgb(222, 236, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9023, 0.3108, 0.3417 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, 224) }
```

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

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