

# Converting Colors

Yxy(80.9684, 0.3176, 0.3599)

Have a look what the booklet for  
Yxy(80.9684, 0.3176, 0.3599)  
contains.

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# Color

**Yxy(80.8623, 0.3173, 0.3592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEED2
RGB	219, 238, 210
RGB Percent	86%, 93%, 82%
CMY	0.1410, 0.0667, 0.1764
CMYK	0.08, 0.00, 0.12, 0.07
HSL	101°, 45%, 88%
HSV	101°, 12%, 93%
XYZ	71.4299, 80.8623, 72.8256
YIQ	229.1270, -2.3360, -12.7360

# Conversions

## Conversions Part 2

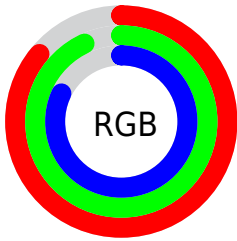
Format	Color
R <sub>Y</sub> B	210, 238, 229
Decimal	14413522
CIE Lab	92.07, -11.23, 11.42
CIE LCh	92, 16.021, 134.523
Yxy	80.8623, 0.3173, 0.3592
Android (android.graphics.Color)	4292603602 (0xFFDBEED2)
YUV	229.1270, -9.4296, -8.8814
Hunter-Lab	89.9235, -15.5763, 14.9297

# Details

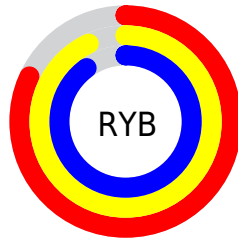
The Yxy color **80.8623, 0.3173, 0.3592** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.9283, 0.3075, 0.2995**, and the grayscale version is **78.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7487, 0.3178, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **77.3842, 0.3210, 0.3877**, and if you desaturate by 10%, it is **84.7662, 0.3134, 0.3333**.

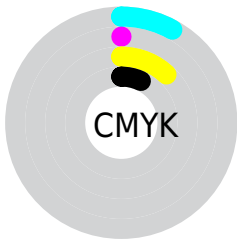
# Distribution



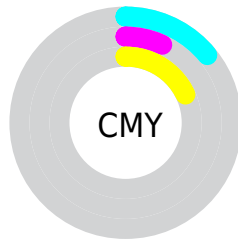
- Red (86%)
- Green (93%)
- Blue (82%)



- Red (82%)
- Yellow (93%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8623, 0.3173, 0.3592 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 80.8623, 0.3173, 0.3592 by changing the saturation by 10% instead.



80.8623, 0.3173,  
0.3592

80.8623, 0.3173,  
0.3592

497.8341, 0.3153,  
0.3452

60.4282, 0.3177,  
0.3624

134.5774, 0.3167,  
0.3544

43.7639, 0.3182,  
0.3663

168.6272, 0.3164,  
0.3525

30.4849, 0.3188,  
0.3713

207.9843, 0.3162,  
0.3508

20.2069, 0.3195,  
0.3779

253.0332, 0.3160,  
0.3494

12.5456, 0.3203,  
0.3868

304.1582, 0.3158,  
0.3482

7.1164, 0.3214,  
0.3997

361.7438, 0.3156,

3.5350, 0.3226,

0.3471

0.4198

426.1743, 0.3155,  
0.3461

■ 1.4170, 0.3266,  
0.4602

■ 0.2292, 0.0000,  
1.0000

■ 80.8623, 0.3173,  
0.3592

■ 80.8623, 0.3173,  
0.3592

■ 77.3842, 0.3210,  
0.3877

■ 84.7662, 0.3134,  
0.3333

■ 74.3068, 0.3242,  
0.4185

■ 88.9296, 0.3111,  
0.3125

■ 71.6180, 0.3268,  
0.4507

■ 89.6263, 0.3135,  
0.3127

■ 69.3014, 0.3282,  
0.4831

■ 67.3390, 0.3284,  
0.5141

■ 65.7113, 0.3269,  
0.5417

■ 64.3965, 0.3238,  
0.5640

■ 63.3697, 0.3194,  
0.5797

■ 62.7123, 0.3151,  
0.5880

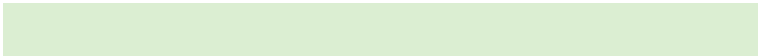
# Harmonies

## Analogous

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



80.8623, 0.3349, 0.3617



80.8623, 0.3173, 0.3592



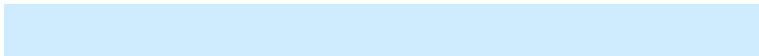
80.8623, 0.2988, 0.3479

# Triad

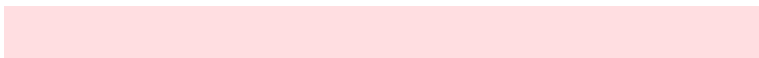
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8623, 0.3173, 0.3592



80.8623, 0.2796, 0.3024



80.8623, 0.3417, 0.3259

# Complementary

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



80.8623, 0.3173, 0.3592



68.9283, 0.3075, 0.2995

# 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.



80.8623, 0.3262, 0.3112



80.8623, 0.3173, 0.3592



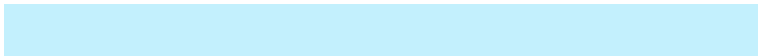
80.8623, 0.2903, 0.2977

# Square

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



80.8623, 0.3173, 0.3592



80.8623, 0.2774, 0.3145



80.8623, 0.3073, 0.3010



80.8623, 0.3494, 0.3418



# Rectangle

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



80.8623, 0.3173, 0.3592



80.8623, 0.2885, 0.3370



80.8623, 0.3073, 0.3010



80.8623, 0.3372, 0.3207

# Sweetspot

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



80.8658, 0.3173, 0.3592



98.0729, 0.3143, 0.3389



78.6859, 0.3315, 0.3486



20.9160, 0.3146, 0.3408



0.0000, 0.0000, 0.0000

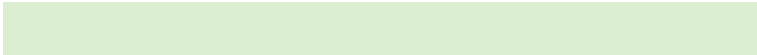


21.4041, 0.3127, 0.3290

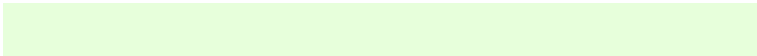


# Same Dimension

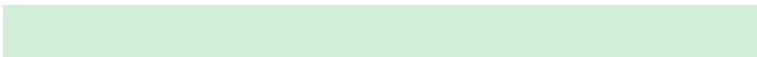
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8658, 0.3173, 0.3592



93.6072, 0.3182, 0.3655



79.7402, 0.3085, 0.3545



17.9037, 0.3164, 0.3531



35.0504, 0.3161, 0.5872



2.9675, 0.3260, 0.5793



# Inverse Universe

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



68.9283, 0.3075, 0.2995



77.1821, 0.3064, 0.2934



70.1799, 0.3173, 0.3048



15.7612, 0.3086, 0.3054



7.7603, 0.2410, 0.1101

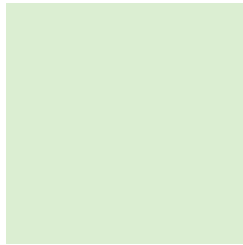


0.6989, 0.2517, 0.1160



# Previews

## White Background



This preview shows how the Yxy color 80.8623, 0.3173, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

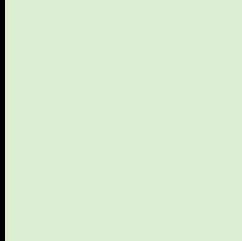
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.8623, 0.3173, 0.3592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

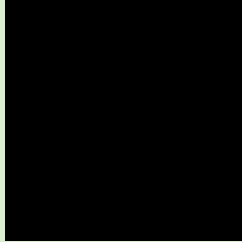
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

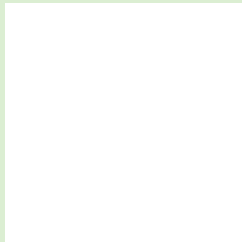
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.8623, 0.3173, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8623, 0.3173, 0.3592.

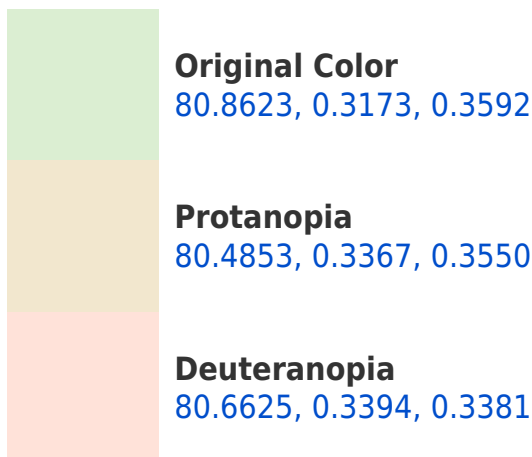


This preview shows how white text looks on a background with the Yxy color 80.8623, 0.3173, 0.3592.

# 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

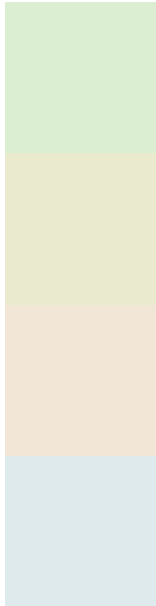




## Tritanopia

80.6858, 0.2965, 0.3094

# Trichromacy



**Original Color**

80.8623, 0.3173, 0.3592

**Protanomaly**

80.8431, 0.3299, 0.3575

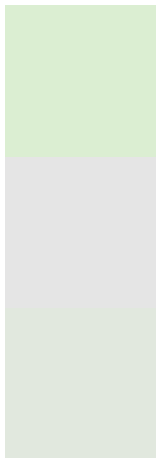
**Deuteranomaly**

80.3259, 0.3315, 0.3456

**Tritanomaly**

80.5897, 0.3042, 0.3269

# Monochromacy



**Original Color**

80.8623, 0.3173, 0.3592

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

78.9947, 0.3143, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8623, 0.3173, 0.3592 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(219, 238, 210)` looks like.

```
.text, #text, p{  
    color:rgb(219, 238, 210)  
}
```

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(219, 238, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 238, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8623, 0.3173, 0.3592 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(219, 238, 210) }
```

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

```
.border{ border-color:rgb(219, 238, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 238, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 238, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 238, 210);  
box-shadow:4px 4px 4px 4px rgb(219, 238,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8623, 0.3173, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 238, 210) }
```

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

```
.background{ background-color: rgb(219,  
238, 210) }
```

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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