

# Converting Colors

$Yxy(81.2724, 0.3277, 0.3784)$

Have a look what the booklet for  
Yxy(81.2724, 0.3277, 0.3784)  
contains.

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# Color

**Yxy(81.4309, 0.3277, 0.3789)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCF0C2
RGB	220, 240, 194
RGB Percent	86%, 94%, 76%
CMY	0.1370, 0.0589, 0.2391
CMYK	0.08, 0.00, 0.19, 0.06
HSL	86°, 60%, 85%
HSV	86°, 19%, 94%
XYZ	70.4273, 81.4309, 63.0558
YIQ	228.7760, 2.8460, -18.5460

# Conversions

## Conversions Part 2

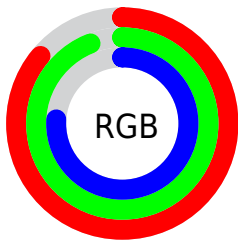
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 240, 214
Decimal	14479554
CIELab	92.32, -14.46, 20.06
CIELCh	92, 24.726, 125.788
Yxy	81.4309, 0.3277, 0.3789
Android (android.graphics.Color)	4292669634 (0xFFDCFC2)
YUV	228.7760, -17.1446, -7.6966
Hunter-Lab	90.2391, -18.6076, 21.7377

# Details

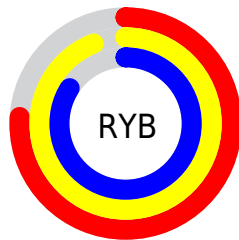
The Yxy color **81.4309, 0.3277, 0.3789** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.1724, 0.2953, 0.2785**, and the grayscale version is **78.3176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **44.1738, 0.3311, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **78.8675, 0.3352, 0.4074**, and if you desaturate by 10%, it is **84.2766, 0.3199, 0.3520**.

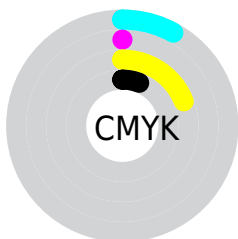
# Distribution



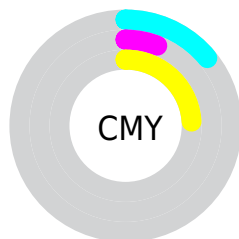
- Red (86%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)




- Cyan (14%)
- Magenta (6%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4309, 0.3277, 0.3789 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 81.4309, 0.3277, 0.3789 by changing the saturation by 10% instead.



 81.4309, 0.3277,  
0.3789

 81.4309, 0.3277,  
0.3789


499.7421, 0.3212,  
0.3557

 60.8965, 0.3291,  
0.3842


 135.3756, 0.3255,  
0.3708

 44.1417, 0.3307,  
0.3908


169.5548, 0.3247,  
0.3677

 30.7819, 0.3326,  
0.3991


209.0511, 0.3239,  
0.3650

 20.4328, 0.3350,  
0.4100

254.2488, 0.3233,  
0.3627

 12.7101, 0.3380,  
0.4248

305.5323, 0.3227,  
0.3606

 7.2292, 0.3416,  
0.4459


363.2861, 0.3221,


 3.6059, 0.3455,


0.3588


0.4785

427.8946, 0.3217,  
0.3572


 1.4556, 0.3812,  
0.5854


 0.2572, 0.0000,  
1.0000


 81.4309, 0.3277,  
0.3789


 81.4309, 0.3277,  
0.3789


 78.8675, 0.3352,  
0.4074


 84.2766, 0.3199,  
0.3520


 76.5657, 0.3420,  
0.4366

 87.4035, 0.3121,  
0.3270

 74.5180, 0.3476,  
0.4657

 90.0942, 0.3110,  
0.3145

 72.7126, 0.3516,  
0.4933

 90.7939, 0.3134,  
0.3146

■ 71.1366, 0.3535,  
0.5180

■ 69.7753, 0.3531,  
0.5383

■ 68.6117, 0.3502,  
0.5535

■ 67.6207, 0.3454,  
0.5635

■ 67.5423, 0.3450,  
0.5643

# Harmonies

## Analogous

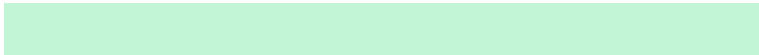
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4309, 0.3532, 0.3776



81.4309, 0.3277, 0.3789



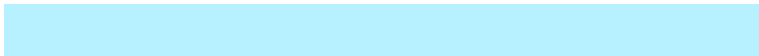
81.4309, 0.2990, 0.3649

# Triad

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



81.4309, 0.3277, 0.3789



81.4309, 0.2600, 0.2922



81.4309, 0.3515, 0.3170

# Complementary

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



81.4309, 0.3277, 0.3789



59.1724, 0.2953, 0.2785

# Split Complementary

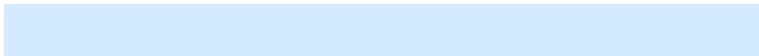
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4309, 0.3248, 0.2967



81.4309, 0.3277, 0.3789



81.4309, 0.2725, 0.2822

# Square

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



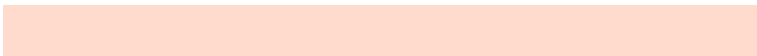
81.4309, 0.3277, 0.3789



81.4309, 0.2608, 0.3130



81.4309, 0.2959, 0.2841

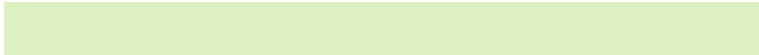


81.4309, 0.3676, 0.3409

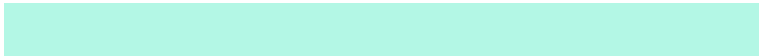


# Rectangle

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



81.4309, 0.3277, 0.3789



81.4309, 0.2819, 0.3490



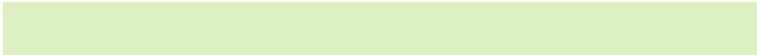
81.4309, 0.2959, 0.2841



81.4309, 0.3434, 0.3096

# Sweetspot

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



81.4344, 0.3277, 0.3789



97.8169, 0.3174, 0.3439



70.4823, 0.3465, 0.3504



20.8875, 0.3179, 0.3456



0.0000, 0.0000, 0.0000

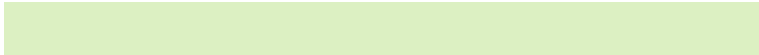


21.4041, 0.3127, 0.3290

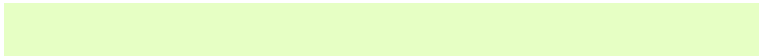


# Same Dimension

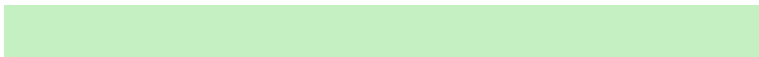
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4344, 0.3277, 0.3789



92.2734, 0.3307, 0.3899



78.0917, 0.3122, 0.3813



18.0981, 0.3201, 0.3528



37.0576, 0.3461, 0.5634



3.1415, 0.3554, 0.5560



# Inverse Universe

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



59.1724, 0.2953, 0.2785



62.3529, 0.2911, 0.2672



62.8750, 0.3126, 0.2811



15.5639, 0.3047, 0.3051



5.1324, 0.1901, 0.0821

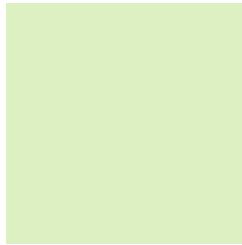


0.4847, 0.2048, 0.0902



# Previews

## White Background



This preview shows how the Yxy color 81.4309, 0.3277, 0.3789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

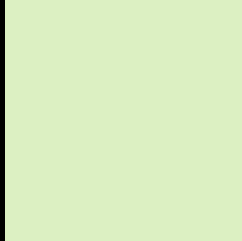
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4309, 0.3277, 0.3789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

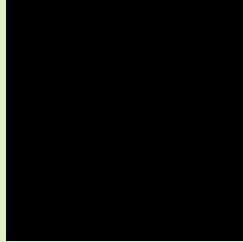
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

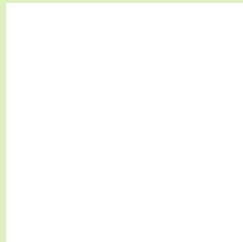
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4309, 0.3277, 0.3789**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4309, 0.3277, 0.3789.

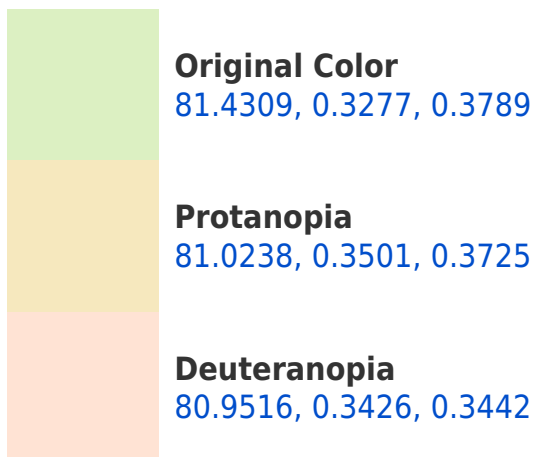


This preview shows how white text looks on a background with the Yxy color 81.4309, 0.3277, 0.3789.

# 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

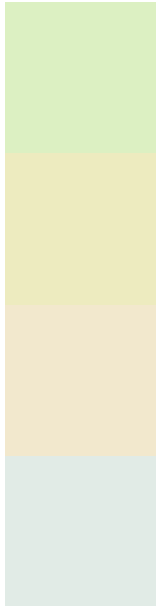




## Tritanopia

81.1722, 0.2984, 0.3095

# Trichromacy



**Original Color**

81.4309, 0.3277, 0.3789

**Protanomaly**

81.1828, 0.3423, 0.3754

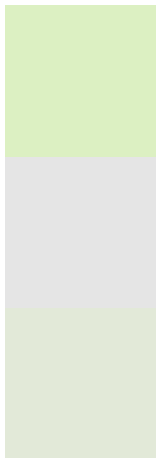
**Deuteranomaly**

80.9982, 0.3372, 0.3571

**Tritanomaly**

81.1374, 0.3091, 0.3342

# Monochromacy



**Original Color**

81.4309, 0.3277, 0.3789

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.4044, 0.3187, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4309, 0.3277, 0.3789 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(220, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(220, 240, 194)  
}
```

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(220, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 240, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4309, 0.3277, 0.3789 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(220, 240, 194) }
```

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

```
.border{ border-color:rgb(220, 240, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 240, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(220, 240,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4309, 0.3277, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 240, 194) }
```

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

```
.background{ background-color: rgb(220,  
240, 194) }
```

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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