

# Converting Colors

Yxy(81.4134, 0.3149, 0.3508)

Have a look what the booklet for  
Yxy(81.4134, 0.3149, 0.3508)  
contains.

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# Color

**Yxy(81.6884, 0.3150, 0.3514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEED9
RGB	222, 238, 217
RGB Percent	87%, 93%, 85%
CMY	0.1293, 0.0667, 0.1490
CMYK	0.07, 0.00, 0.09, 0.07
HSL	106°, 38%, 89%
HSV	106°, 9%, 93%
XYZ	73.2267, 81.6884, 77.5505
YIQ	230.8220, -2.7950, -9.9230

# Conversions

## Conversions Part 2

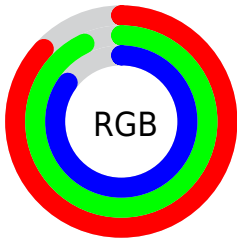
Format	Color
R <sub>Y</sub> B	217, 238, 233
Decimal	14610137
CIE Lab	92.44, -9.03, 8.35
CIE LCh	92, 12.303, 137.251
Yxy	81.6884, 0.3150, 0.3514
Android (android.graphics.Color)	4292800217 (0xFFDEEED9)
YUV	230.8220, -6.8142, -7.7369
Hunter-Lab	90.3816, -13.5482, 12.3943

# Details

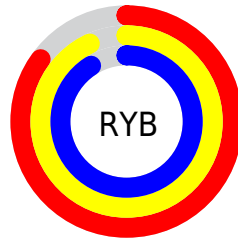
The Yxy color **81.6884, 0.3150, 0.3514** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.1175, 0.3102, 0.3071**, and the grayscale version is **79.8289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2800, 0.3157, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **77.8333, 0.3174, 0.3795**, and if you desaturate by 10%, it is **86.0363, 0.3124, 0.3262**.

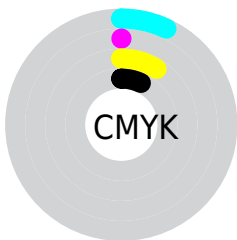
# Distribution



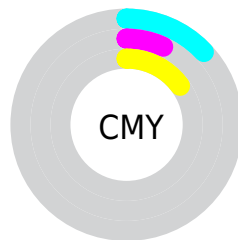
- Red (87%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (13%)
- Magenta (7%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6884, 0.3150, 0.3514 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 81.6884, 0.3150, 0.3514 by changing the saturation by 10% instead.




 81.6884, 0.3150,  
0.3514

 81.6884, 0.3150,  
0.3514


500.6048, 0.3140,  
0.3411

 61.1087, 0.3152,  
0.3537


135.7369, 0.3147,  
0.3478

 44.3129, 0.3154,  
0.3566


169.9746, 0.3146,  
0.3464

 30.9166, 0.3157,  
0.3603


209.5337, 0.3144,  
0.3452

 20.5353, 0.3160,  
0.3650

254.7987, 0.3143,  
0.3442

 12.7848, 0.3165,  
0.3715

306.1539, 0.3143,  
0.3433

 7.2805, 0.3170,  
0.3808

363.9837, 0.3142,

 3.6381, 0.3175,

0.3425

428.6725, 0.3141,  
0.3418

0.3952

■ 1.4733, 0.3178,  
0.4208

■ 0.2698, 0.1174,  
0.8826

■ 81.6884, 0.3150,  
0.3514

■ 81.6884, 0.3150,  
0.3514

■ 77.8333, 0.3174,  
0.3795

■ 86.0363, 0.3124,  
0.3262

■ 74.4432, 0.3195,  
0.4102

■ 89.6297, 0.3135,  
0.3127

■ 71.5033, 0.3210,  
0.4430

■ 68.9941, 0.3217,  
0.4765

■ 66.8944, 0.3214,  
0.5093

■ 65.1814, 0.3199,  
0.5391

■ 63.8298, 0.3171,  
0.5637

■ 62.8106, 0.3133,  
0.5816

■ 62.0866, 0.3090,  
0.5922

# Harmonies

## Analogous

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



81.6884, 0.3287, 0.3540



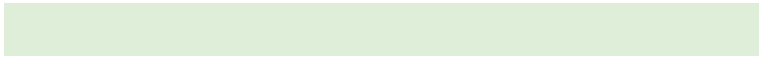
81.6884, 0.3150, 0.3514



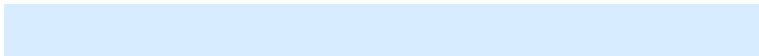
81.6884, 0.3009, 0.3423

# Triad

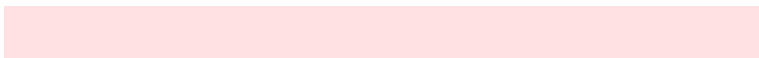
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6884, 0.3150, 0.3514



81.6884, 0.2877, 0.3081



81.6884, 0.3357, 0.3278

# Complementary

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



81.6884, 0.3150, 0.3514



73.1175, 0.3102, 0.3071

# 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.



81.6884, 0.3243, 0.3162



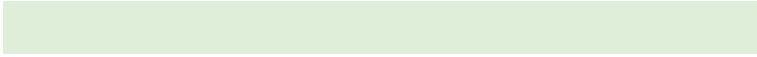
81.6884, 0.3150, 0.3514



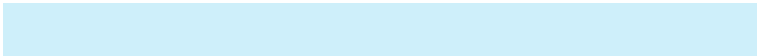
81.6884, 0.2966, 0.3049

# Square

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



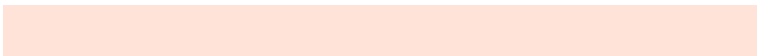
81.6884, 0.3150, 0.3514



81.6884, 0.2854, 0.3170



81.6884, 0.3099, 0.3079



81.6884, 0.3408, 0.3400



# Rectangle

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



81.6884, 0.3150, 0.3514



81.6884, 0.2932, 0.3340



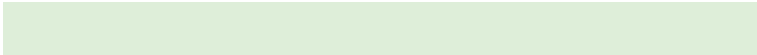
81.6884, 0.3099, 0.3079



81.6884, 0.3325, 0.3237

# Sweetspot

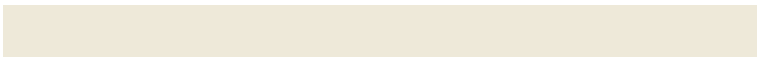
The Sweet Spot groups the original color and five complimentary colors.



81.6919, 0.3150, 0.3514



98.4297, 0.3135, 0.3364



81.3234, 0.3264, 0.3454



20.9801, 0.3137, 0.3384



0.0000, 0.0000, 0.0000

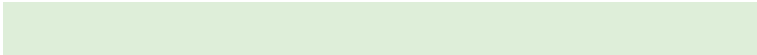


21.4041, 0.3127, 0.3290

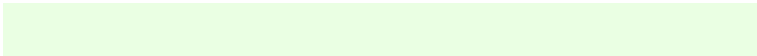


# Same Dimension

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



81.6919, 0.3150, 0.3514



94.4976, 0.3156, 0.3574



81.1882, 0.3085, 0.3459



17.8388, 0.3152, 0.3532



34.6482, 0.3094, 0.5925



2.9268, 0.3183, 0.5855



# Inverse Universe

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



73.1175, 0.3102, 0.3071



82.1410, 0.3095, 0.3015



73.6705, 0.3173, 0.3127



15.8299, 0.3100, 0.3055



8.9936, 0.2611, 0.1212

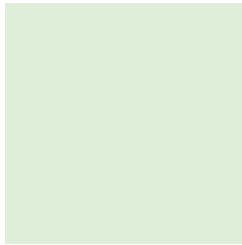


0.7934, 0.2693, 0.1257



# Previews

## White Background



This preview shows how the Yxy color 81.6884, 0.3150, 0.3514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

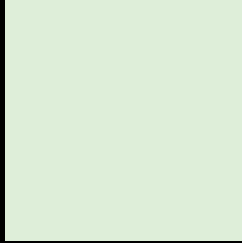
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6884, 0.3150, 0.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

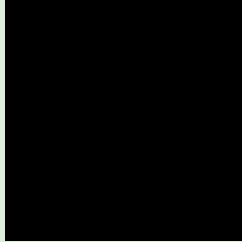
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

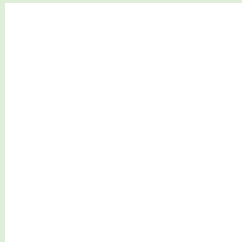
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.6884, 0.3150, 0.3514**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6884, 0.3150, 0.3514.

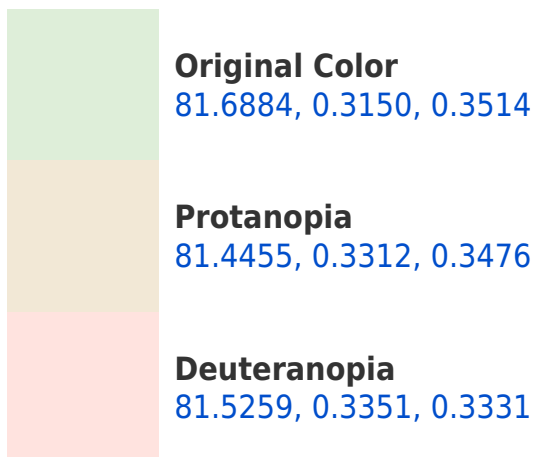


This preview shows how white text looks on a background with the Yxy color 81.6884, 0.3150, 0.3514.

# 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

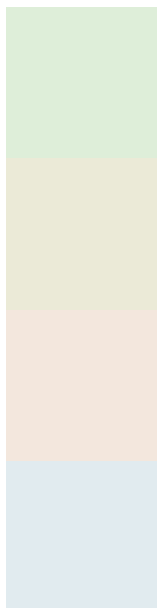




## Tritanopia

81.5738, 0.2978, 0.3105

# Trichromacy



## Original Color

81.6884, 0.3150, 0.3514

## Protanomaly

81.4141, 0.3255, 0.3489

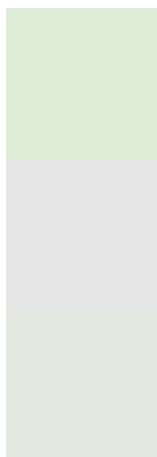
## Deuteranomaly

81.4270, 0.3275, 0.3393

## Tritanomaly

81.6562, 0.3037, 0.3248

# Monochromacy



## Original Color

81.6884, 0.3150, 0.3514

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.8306, 0.3137, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6884, 0.3150, 0.3514 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, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 217)  
}
```

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, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6884, 0.3150, 0.3514 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, 238, 217) }
```

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

```
.border{ border-color:rgb(222, 238, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(222, 238,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6884, 0.3150, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 217) }
```

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

```
.background{ background-color: rgb(222,  
238, 217) }
```

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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