

# Converting Colors

$Yxy(81.1837, 0.3052, 0.3656)$

Have a look what the booklet for  
Yxy(81.1837, 0.3052, 0.3656)  
contains.

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# Color

**Yxy(81.1718, 0.3053, 0.3656)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F3D2
RGB	201, 243, 210
RGB Percent	79%, 95%, 82%
CMY	0.2115, 0.0471, 0.1765
CMYK	0.17, 0.00, 0.14, 0.05
HSL	133°, 64%, 87%
HSV	133°, 17%, 95%
XYZ	67.7838, 81.1718, 73.0679
YIQ	226.6800, -14.4390, -19.1670

# Conversions

## Conversions Part 2

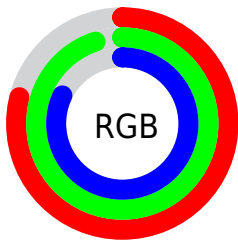
Format	Color
<b>R<sub>YB</sub></b>	201, 236, 243
Decimal	13235154
CIE <sub>Lab</sub>	92.21, -19.70, 11.47
CIE <sub>LCh</sub>	92, 22.791, 149.796
Yxy	81.1718, 0.3053, 0.3656
Android (android.graphics.Color)	4291425234 (0xFFC9F3D2)
YUV	226.6800, -8.2232, -22.5214
Hunter-Lab	90.0954, -23.3714, 14.9822

# Details

The Yxy color **81.1718, 0.3053, 0.3656** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.8008, 0.3211, 0.2950**, and the grayscale version is **76.6502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1440, 0.3033, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **77.1715, 0.3011, 0.3904**, and if you desaturate by 10%, it is **85.8256, 0.3096, 0.3434**.

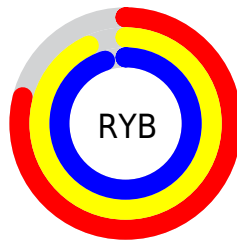
# Distribution



Red (79%)

Green (95%)

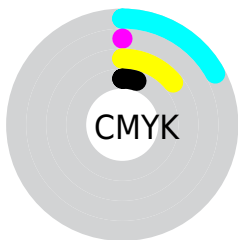
Blue (82%)



Red (79%)

Yellow (93%)

Blue (95%)

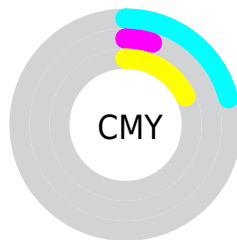


Cyan (17%)

Magenta (0%)

Yellow (14%)

Black (5%)



Cyan (21%)

Magenta (5%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1718, 0.3053, 0.3656 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 81.1718, 0.3053, 0.3656 by changing the saturation by 10% instead.



 81.1718, 0.3053,  
0.3656

 81.1718, 0.3053,  
0.3656

498.8732, 0.3089,  
0.3485

 60.6831, 0.3044,  
0.3695

135.0120, 0.3066,  
0.3597

 43.9695, 0.3034,  
0.3744


169.1322, 0.3071,  
0.3574

 30.6465, 0.3020,  
0.3806


208.5651, 0.3075,  
0.3554

 20.3298, 0.3001,  
0.3888

253.6951, 0.3078,  
0.3536

 12.6350, 0.2974,  
0.3999

304.9065, 0.3082,  
0.3521

 7.1777, 0.2934,  
0.4162


362.5837, 0.3084,


 3.5735, 0.2867,


0.3508


0.4421


427.1111, 0.3087,  
0.3496

 1.4380, 0.2760,  
0.4939


 0.2444, 0.0000,  
1.0000


 81.1718, 0.3053,  
0.3656

 81.1718, 0.3053,  
0.3656


 77.1715, 0.3011,  
0.3904


 85.8256, 0.3096,  
0.3434

 73.7854, 0.2972,  
0.4176

 91.1497, 0.3139,  
0.3239

 70.9857, 0.2939,  
0.4467

 92.5753, 0.3133,  
0.3175

 68.7385, 0.2914,  
0.4767

■ 67.0062, 0.2900,  
0.5063

■ 65.7466, 0.2900,  
0.5338

■ 64.9102, 0.2913,  
0.5575

■ 64.4342, 0.2938,  
0.5759

■ 64.3413, 0.2945,  
0.5800

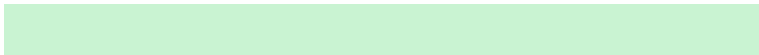
# Harmonies

## Analogous

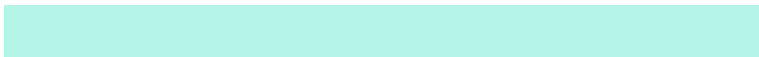
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1718, 0.3318, 0.3758



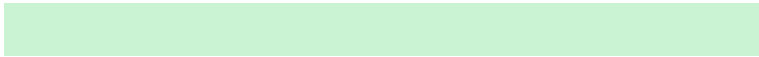
81.1718, 0.3053, 0.3656



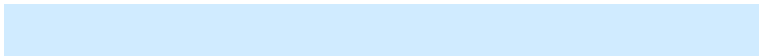
81.1718, 0.2815, 0.3442

# Triad

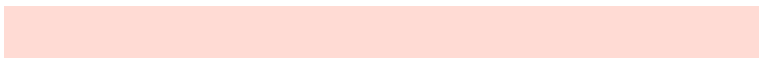
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1718, 0.3053, 0.3656



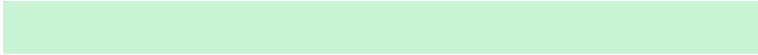
81.1718, 0.2723, 0.2866



81.1718, 0.3614, 0.3357

# Complementary

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



81.1718, 0.3053, 0.3656



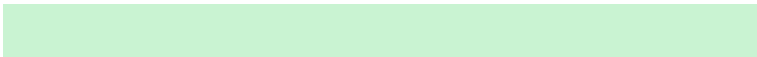
66.8008, 0.3211, 0.2950

# 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.



81.1718, 0.3441, 0.3138



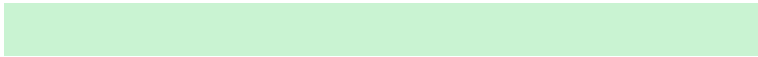
81.1718, 0.3053, 0.3656



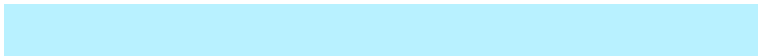
81.1718, 0.2923, 0.2862

# Square

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



81.1718, 0.3053, 0.3656



81.1718, 0.2630, 0.2982



81.1718, 0.3185, 0.2960

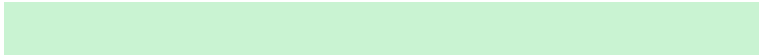


81.1718, 0.3649, 0.3570



# Rectangle

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



81.1718, 0.3053, 0.3656



81.1718, 0.2702, 0.3273



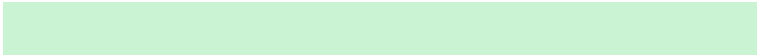
81.1718, 0.3185, 0.2960



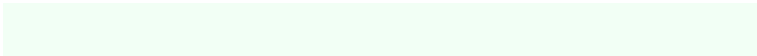
81.1718, 0.3570, 0.3282

# Sweetspot

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



81.1752, 0.3053, 0.3656



97.0321, 0.3106, 0.3388



85.9105, 0.3329, 0.3728



20.6829, 0.3103, 0.3403



0.0000, 0.0000, 0.0000

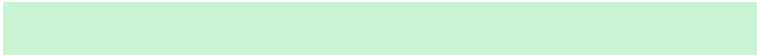


21.4041, 0.3127, 0.3290

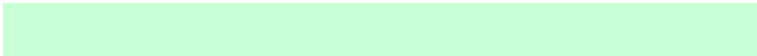


# Same Dimension

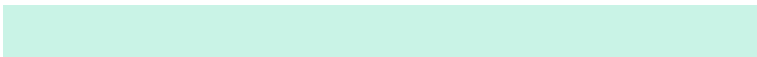
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1752, 0.3053, 0.3656



88.7971, 0.3037, 0.3747



82.2584, 0.2936, 0.3426



18.5298, 0.3086, 0.3482



35.3321, 0.2938, 0.5778



3.1199, 0.2876, 0.5555



# Inverse Universe

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



66.8008, 0.3211, 0.2950



69.7500, 0.3233, 0.2872



65.6940, 0.3363, 0.3158



16.7043, 0.3171, 0.3106



12.5480, 0.3835, 0.1886



1.1176, 0.3741, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 81.1718, 0.3053, 0.3656 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

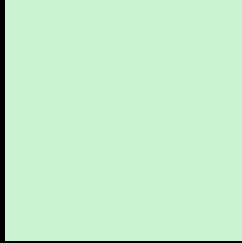
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1718, 0.3053, 0.3656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

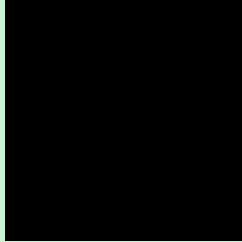
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

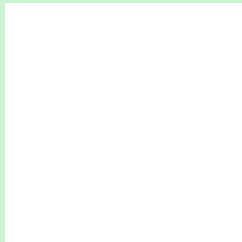
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1718, 0.3053, 0.3656**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1718, 0.3053, 0.3656.

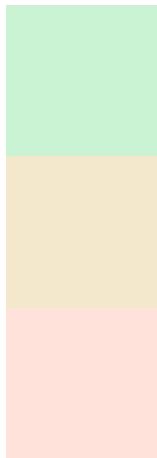


This preview shows how white text looks on a background with the Yxy color 81.1718, 0.3053, 0.3656.

# 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

81.1718, 0.3053, 0.3656

### Protanopia

80.5661, 0.3387, 0.3570

### Deuteranopia

80.7147, 0.3387, 0.3371



## Tritanopia

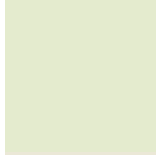
80.7662, 0.2844, 0.3090

# Trichromacy



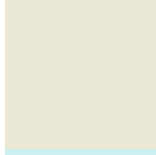
## Original Color

81.1718, 0.3053, 0.3656



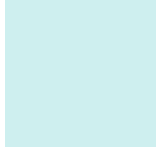
## Protanomaly

80.3669, 0.3262, 0.3599



## Deuteranomaly

80.2817, 0.3257, 0.3468



## Tritanomaly

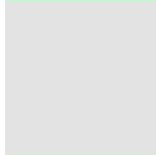
81.0868, 0.2917, 0.3289

# Monochromacy



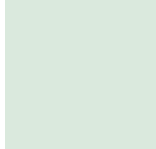
## Original Color

81.1718, 0.3053, 0.3656



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.4037, 0.3101, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1718, 0.3053, 0.3656 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(201, 243, 210)` looks like.

```
.text, #text, p{  
    color:rgb(201, 243, 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(201, 243, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 243, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1718, 0.3053, 0.3656 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(201, 243, 210) }
```

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

```
.border{ border-color:rgb(201, 243, 210) }
```

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

Here you see how a box with a 4 pixel rgb(201, 243, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 243, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 243, 210);  
box-shadow:4px 4px 4px 4px rgb(201, 243,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1718, 0.3053, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 243, 210) }
```

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

```
.background{ background-color: rgb(201,  
243, 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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