

# Converting Colors

$Yxy(85.0617, 0.3054, 0.3521)$

Have a look what the booklet for  
Yxy(85.0617, 0.3054, 0.3521)  
contains.

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# Color

**Yxy(84.9828, 0.3053, 0.3514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F5E0
RGB	214, 245, 224
RGB Percent	84%, 96%, 88%
CMY	0.1608, 0.0392, 0.1216
CMYK	0.13, 0.00, 0.09, 0.04
HSL	139°, 61%, 90%
HSV	139°, 13%, 96%
XYZ	73.8339, 84.9828, 83.0239
YIQ	233.3370, -11.7350, -13.1030

# Conversions

## Conversions Part 2

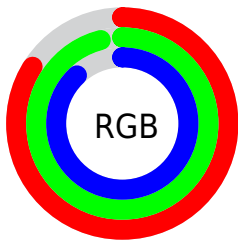
<b>Format</b>	<b>Color</b>
<b>RYB</b>	214, 237, 245
Decimal	14087648
CIELab	93.88, -13.97, 6.72
CIELCh	94, 15.505, 154.298
Yxy	84.9828, 0.3053, 0.3514
Android (android.graphics.Color)	4292277728 (0xFFD6F5E0)
YUV	233.3370, -4.6031, -16.9585
Hunter-Lab	92.1861, -18.3610, 11.1330

# Details

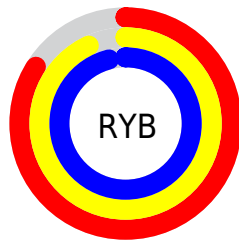
The Yxy color **84.9828, 0.3053, 0.3514** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4994, 0.3210, 0.3076**, and the grayscale version is **81.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6307, 0.3033, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **80.7160, 0.2996, 0.3716**, and if you desaturate by 10%, it is **89.8992, 0.3112, 0.3334**.

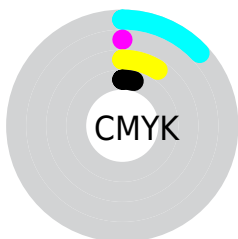
# Distribution



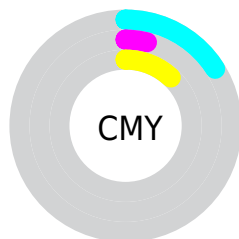
- Red (84%)
- Green (96%)
- Blue (88%)



- Red (84%)
- Yellow (93%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9828, 0.3053, 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 84.9828, 0.3053, 0.3514 by changing the saturation by 10% instead.




 84.9828, 0.3053,  
0.3514

 84.9828, 0.3053,  
0.3514


511.5712, 0.3087,  
0.3411

 63.8272, 0.3045,  
0.3537

140.3491, 0.3065,  
0.3479

 46.5107, 0.3036,  
0.3566

175.3286, 0.3070,  
0.3465

 32.6490, 0.3023,  
0.3602

215.6849, 0.3073,  
0.3453

 21.8577, 0.3007,  
0.3649

261.8023, 0.3077,  
0.3442

 13.7524, 0.2986,  
0.3712

314.0652, 0.3080,  
0.3433

 7.9486, 0.2954,  
0.3803

372.8581, 0.3083,

 4.0621, 0.2906,

0.3425

0.3942

438.5653, 0.3085,  
0.3418

■ 1.7084, 0.2819,  
0.4186

■ 0.4291, 0.1346,  
0.8654

■ 84.9828, 0.3053,  
0.3514

■ 84.9828, 0.3053,  
0.3514

■ 80.7160, 0.2996,  
0.3716

■ 89.8992, 0.3112,  
0.3334

■ 77.0609, 0.2942,  
0.3939

■ 93.7910, 0.3132,  
0.3194

■ 73.9918, 0.2894,  
0.4182

■ 71.4771, 0.2857,  
0.4440

■ 69.4822, 0.2832,  
0.4704

■ 67.9685, 0.2822,  
0.4966

■ 66.8914, 0.2830,  
0.5212

■ 66.1978, 0.2855,  
0.5431

■ 65.8754, 0.2881,  
0.5570

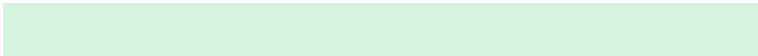
# Harmonies

## Analogous

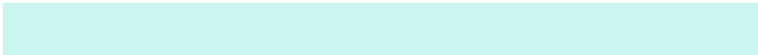
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9828, 0.3232, 0.3595



84.9828, 0.3053, 0.3514



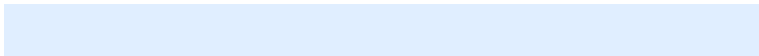
84.9828, 0.2898, 0.3368

# Triad

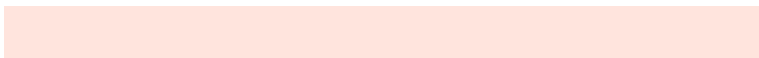
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9828, 0.3053, 0.3514



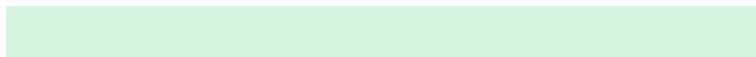
84.9828, 0.2871, 0.2998



84.9828, 0.3461, 0.3362

# Complementary

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



84.9828, 0.3053, 0.3514



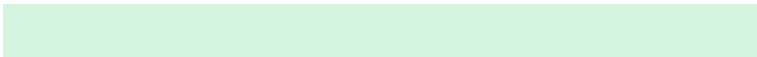
73.4994, 0.3210, 0.3076

# 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.



84.9828, 0.3359, 0.3210



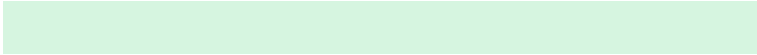
84.9828, 0.3053, 0.3514



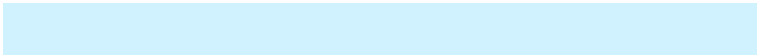
84.9828, 0.3016, 0.3004

# Square

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



84.9828, 0.3053, 0.3514



84.9828, 0.2794, 0.3069



84.9828, 0.3195, 0.3081

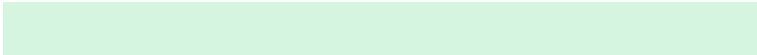


84.9828, 0.3471, 0.3500



# Rectangle

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



84.9828, 0.3053, 0.3514



84.9828, 0.2827, 0.3257



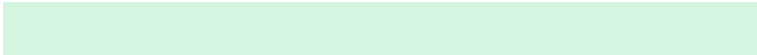
84.9828, 0.3195, 0.3081



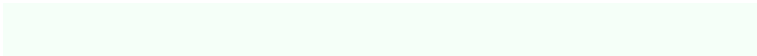
84.9828, 0.3437, 0.3311

# Sweetspot

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



84.9864, 0.3053, 0.3514



97.6793, 0.3104, 0.3357



87.8592, 0.3251, 0.3610



20.8168, 0.3099, 0.3370



0.0000, 0.0000, 0.0000

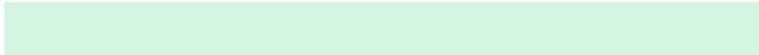


21.4041, 0.3127, 0.3290

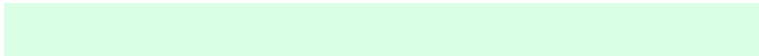


# Same Dimension

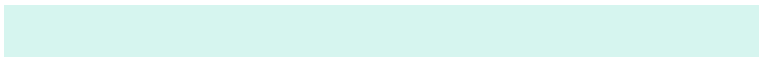
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9864, 0.3053, 0.3514



91.8952, 0.3039, 0.3560



85.8562, 0.2965, 0.3349



18.5601, 0.3072, 0.3455



35.5075, 0.2873, 0.5542



3.1388, 0.2803, 0.5291



# Inverse Universe

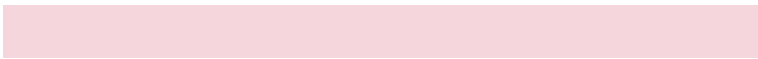
The Inverse Universe completely reimagines the original color for something new.



73.4994, 0.3210, 0.3076



77.2079, 0.3227, 0.3035



72.6509, 0.3317, 0.3232



16.6721, 0.3187, 0.3131



11.9677, 0.4232, 0.2105

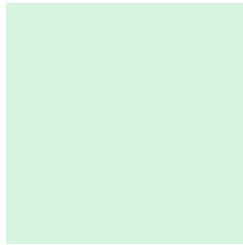


1.0706, 0.4071, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 84.9828, 0.3053, 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 84.9828, 0.3053, 0.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

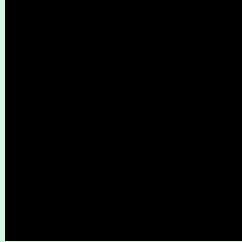
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

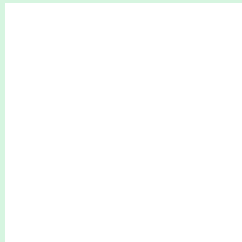
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9828, 0.3053, 0.3514**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9828, 0.3053, 0.3514.

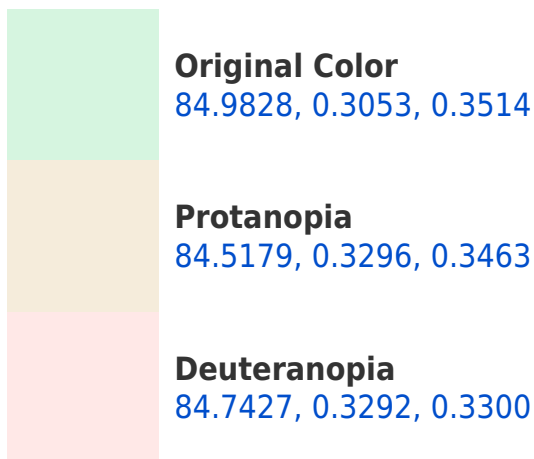


This preview shows how white text looks on a background with the Yxy color 84.9828, 0.3053, 0.3514.

# 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

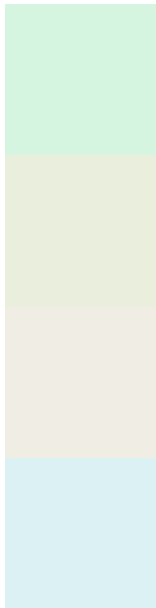




## Tritanopia

84.6410, 0.2931, 0.3126

# Trichromacy



**Original Color**

84.9828, 0.3053, 0.3514

**Protanomaly**

84.4459, 0.3205, 0.3477

**Deuteranomaly**

84.6951, 0.3203, 0.3382

**Tritanomaly**

84.6579, 0.2975, 0.3258

# Monochromacy



**Original Color**

84.9828, 0.3053, 0.3514

**Achromatopsia**

81.4847, 0.3127, 0.3290

**Achromatomaly**

82.4503, 0.3097, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9828, 0.3053, 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(214, 245, 224)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 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(214, 245, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9828, 0.3053, 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(214, 245, 224) }
```

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

```
.border{ border-color:rgb(214, 245, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 245, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 224);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9828, 0.3053, 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(214, 245, 224) }
```

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

```
.background{ background-color: rgb(214,  
245, 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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