

Converting Colors

$Yxy(84.6954, 0.3093, 0.3593)$

Have a look what the booklet for
Yxy(84.6954, 0.3093, 0.3593)
contains.

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Color

Yxy(84.6107, 0.3094, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	D6F5D9
RGB	214, 245, 217
RGB Percent	84%, 96%, 85%
CMY	0.1606, 0.0392, 0.1489
CMYK	0.13, 0.00, 0.11, 0.04
HSL	126°, 61%, 90%
HSV	126°, 13%, 96%
XYZ	72.9208, 84.6107, 78.1529
YIQ	232.5390, -9.4880, -15.2800

Conversions

Conversions Part 2

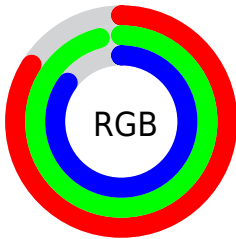
Format	Color
R_{YB}	214, 242, 245
Decimal	14087641
CIE _{Lab}	93.72, -15.18, 10.09
CIE _{LCh}	94, 18.231, 146.384
Yxy	84.6107, 0.3094, 0.3590
Android (android.graphics.Color)	4292277721 (0xFFD6F5D9)
YUV	232.5390, -7.6607, -16.2587
Hunter-Lab	91.9841, -19.4655, 14.0140

Details

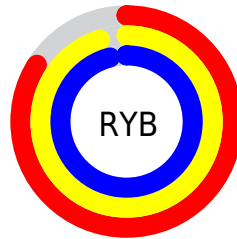
The Yxy color **84.6107, 0.3094, 0.3590** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9384, 0.3162, 0.3007**, and the grayscale version is **81.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3748, 0.3085, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **80.1241, 0.3067, 0.3863**, and if you desaturate by 10%, it is **89.8134, 0.3120, 0.3348**.

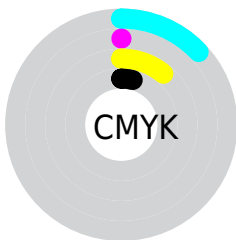
Distribution



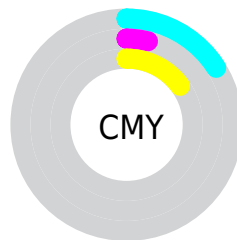
- Red (84%)
- Green (96%)
- Blue (85%)



- Red (84%)
- Yellow (95%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6107, 0.3094, 0.3590 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 84.6107, 0.3094, 0.3590 by changing the saturation by 10% instead.


 84.6107, 0.3094,
0.3590

 84.6107, 0.3094,
0.3590


510.3390, 0.3110,
0.3452

 63.5198, 0.3090,
0.3621

139.8291, 0.3100,
0.3542

 46.2618, 0.3085,
0.3660


174.7254, 0.3102,
0.3524

 32.4525, 0.3078,
0.3709


214.9923, 0.3104,
0.3508

 21.7073, 0.3069,
0.3773

261.0141, 0.3106,
0.3494

 13.6420, 0.3057,
0.3860

313.1753, 0.3107,
0.3481

 7.8721, 0.3037,
0.3984

371.8603, 0.3108,

 4.0132, 0.3005,

0.3470

0.4177

437.4534, 0.3109,
0.3461

■ 1.6810, 0.2939,
0.4515

■ 0.4113, 0.0470,
0.9530

■ 84.6107, 0.3094,
0.3590

■ 84.6107, 0.3094,
0.3590

■ 80.1241, 0.3067,
0.3863

■ 89.8134, 0.3120,
0.3348

■ 76.3121, 0.3040,
0.4165

■ 93.7800, 0.3132,
0.3194

■ 73.1452, 0.3015,
0.4490

■ 70.5877, 0.2993,
0.4825

■ 68.6001, 0.2978,
0.5153

■ 67.1385, 0.2969,
0.5451

■ 66.1526, 0.2970,
0.5694

■ 65.5819, 0.2978,
0.5868

■ 65.3644, 0.2985,
0.5947

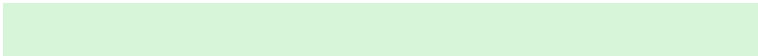
Harmonies

Analogous

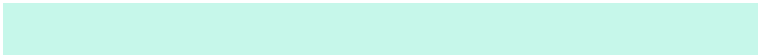
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6107, 0.3302, 0.3659



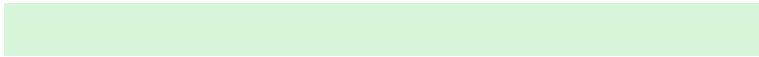
84.6107, 0.3094, 0.3590



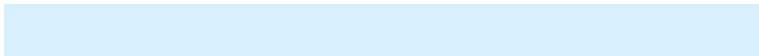
84.6107, 0.2900, 0.3432

Triad

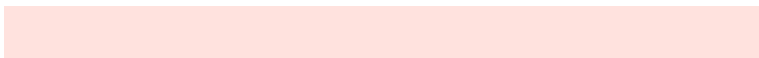
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6107, 0.3094, 0.3590



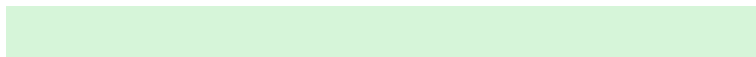
84.6107, 0.2793, 0.2961



84.6107, 0.3500, 0.3325

Complementary

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



84.6107, 0.3094, 0.3590



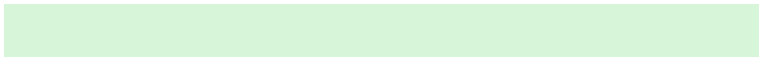
73.9384, 0.3162, 0.3007

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.



84.6107, 0.3354, 0.3151



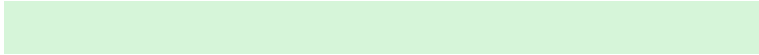
84.6107, 0.3094, 0.3590



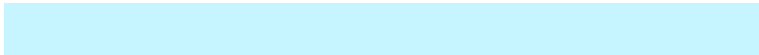
84.6107, 0.2945, 0.2945

Square

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



84.6107, 0.3094, 0.3590



84.6107, 0.2730, 0.3064



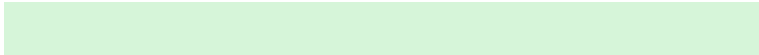
84.6107, 0.3150, 0.3014



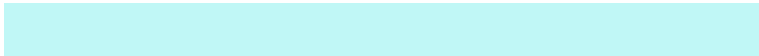
84.6107, 0.3541, 0.3497

Rectangle

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



84.6107, 0.3094, 0.3590



84.6107, 0.2803, 0.3301



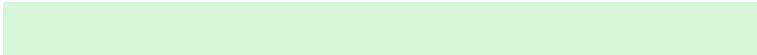
84.6107, 0.3150, 0.3014



84.6107, 0.3461, 0.3266

Sweetspot

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



84.6143, 0.3094, 0.3590



97.5371, 0.3117, 0.3380



89.1078, 0.3299, 0.3605



20.7809, 0.3115, 0.3397



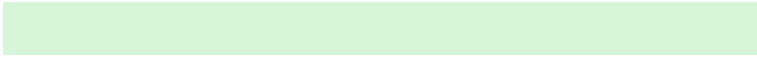
0.0000, 0.0000, 0.0000



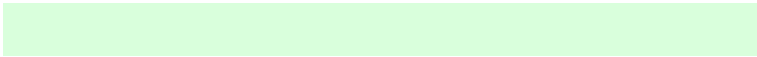
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6143, 0.3094, 0.3590



91.4240, 0.3088, 0.3653



85.4347, 0.3007, 0.3426



18.4980, 0.3102, 0.3511



35.2246, 0.2982, 0.5934



3.1045, 0.2942, 0.5792

Inverse Universe

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



73.9384, 0.3162, 0.3007



77.7416, 0.3169, 0.2952



73.0698, 0.3266, 0.3158



16.7391, 0.3153, 0.3079



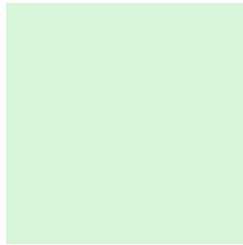
13.2924, 0.3468, 0.1684



1.1761, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 84.6107, 0.3094, 0.3590 looks on a white background.

Color Contrast Check

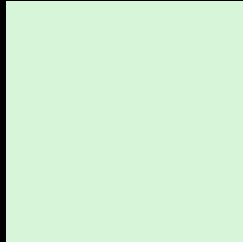
Large Text (above 18pt) WCAG AA × Fail

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 84.6107, 0.3094, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

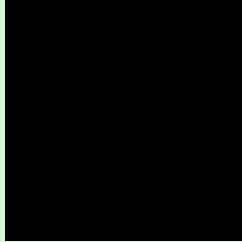
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

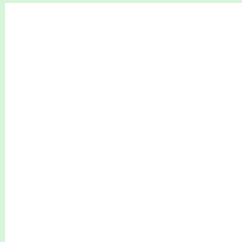
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6107, 0.3094, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 84.6107, 0.3094, 0.3590.

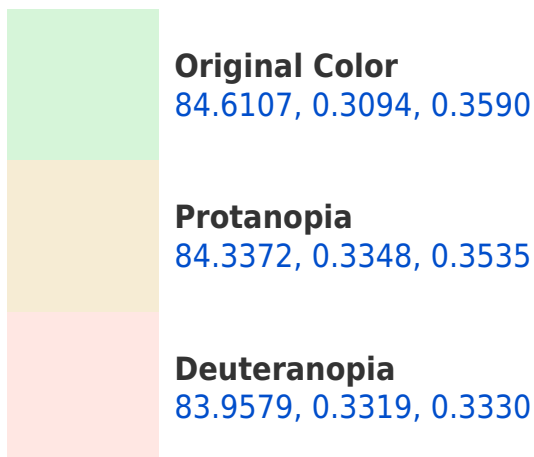


This preview shows how white text looks on a background with the Yxy color 84.6107, 0.3094, 0.3590.

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

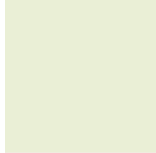
84.6410, 0.2931, 0.3126

Trichromacy



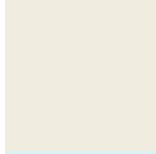
Original Color

84.6107, 0.3094, 0.3590



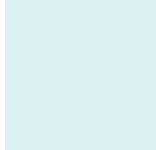
Protanomaly

84.0805, 0.3249, 0.3551



Deuteranomaly

83.8439, 0.3236, 0.3423



Tritanomaly

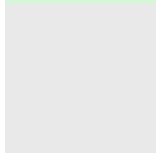
84.4771, 0.2993, 0.3290

Monochromacy



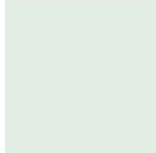
Original Color

84.6107, 0.3094, 0.3590



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.2832, 0.3116, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6107, 0.3094, 0.3590 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, 217) looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 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(214, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 217) }
```

Border

The CSS property to change the border of an element to Yxy 84.6107, 0.3094, 0.3590 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, 217) }
```

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

```
.border{ border-color:rgb(214, 245, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6107, 0.3094, 0.3590 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, 217) }
```

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

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