

Converting Colors

$Yxy(84.6996, 0.3086, 0.3576)$

Have a look what the booklet for
Yxy(84.6996, 0.3086, 0.3576)
contains.

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Color

Yxy(84.6629, 0.3088, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	D6F5DA
RGB	214, 245, 218
RGB Percent	84%, 96%, 85%
CMY	0.1607, 0.0392, 0.1450
CMYK	0.13, 0.00, 0.11, 0.04
HSL	128°, 61%, 90%
HSV	128°, 13%, 96%
XYZ	73.0481, 84.6629, 78.8437
YIQ	232.6530, -9.8090, -14.9690

Conversions

Conversions Part 2

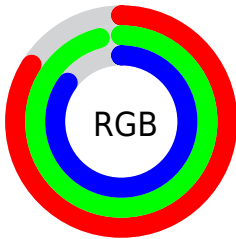
Format	Color
R _Y B	214, 241, 245
Decimal	14087642
CIE Lab	93.74, -15.01, 9.61
CIE LCh	94, 17.823, 147.387
Yxy	84.6629, 0.3088, 0.3579
Android (android.graphics.Color)	4292277722 (0xFFD6F5DA)
YUV	232.6530, -7.2239, -16.3587
Hunter-Lab	92.0124, -19.3118, 13.6043

Details

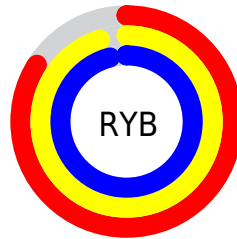
The Yxy color **84.6629, 0.3088, 0.3579** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.8694, 0.3169, 0.3017**, and the grayscale version is **81.2789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4105, 0.3078, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **80.2066, 0.3056, 0.3842**, and if you desaturate by 10%, it is **89.8246, 0.3119, 0.3346**.

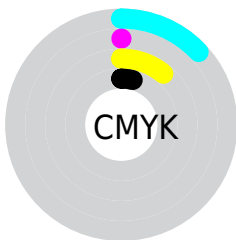
Distribution



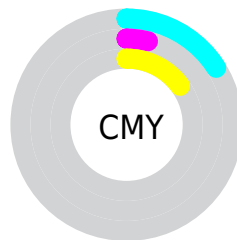
- Red (84%)
- Green (96%)
- Blue (85%)



- 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 84.6629, 0.3088, 0.3579 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 84.6629, 0.3088, 0.3579 by changing the saturation by 10% instead.

 84.6629, 0.3088,
0.3579

 84.6629, 0.3088,
0.3579


510.5120, 0.3107,
0.3446

 63.5629, 0.3083,
0.3609

139.9021, 0.3095,
0.3533

 46.2967, 0.3078,
0.3646


174.8101, 0.3097,
0.3515

 32.4800, 0.3070,
0.3694


215.0895, 0.3100,
0.3500

 21.7284, 0.3060,
0.3755

261.1247, 0.3101,
0.3486

 13.6575, 0.3046,
0.3838

313.3002, 0.3103,
0.3474

 7.8828, 0.3025,
0.3958

372.0003, 0.3105,

 4.0201, 0.2990,

0.3464

0.4143

437.6094, 0.3106,
0.3454

■ 1.6848, 0.2922,
0.4467

■ 0.4138, 0.0608,
0.9392

■ 84.6629, 0.3088,
0.3579

■ 84.6629, 0.3088,
0.3579

■ 80.2066, 0.3056,
0.3842

■ 89.8246, 0.3119,
0.3346

■ 76.4147, 0.3026,
0.4132

■ 93.7823, 0.3132,
0.3194

■ 73.2585, 0.2997,
0.4446

■ 70.7030, 0.2974,
0.4771

■ 68.7097, 0.2958,
0.5092

■ 67.2358, 0.2951,
0.5389

■ 66.2321, 0.2953,
0.5638

■ 65.6397, 0.2966,
0.5824

■ 65.4050, 0.2977,
0.5916

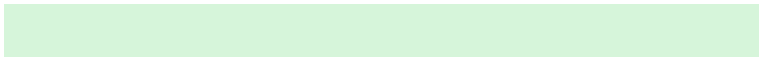
Harmonies

Analogous

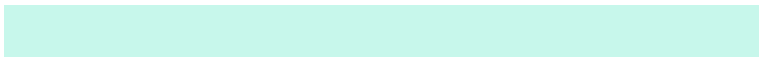
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6629, 0.3292, 0.3650



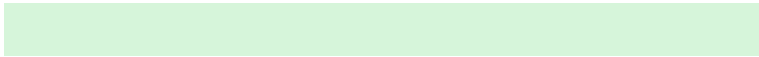
84.6629, 0.3088, 0.3579



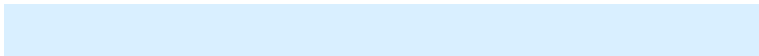
84.6629, 0.2899, 0.3422

Triad

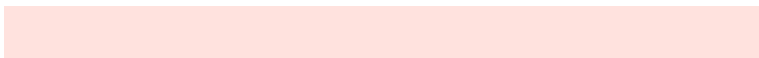
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6629, 0.3088, 0.3579



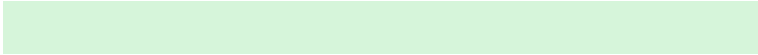
84.6629, 0.2805, 0.2966



84.6629, 0.3494, 0.3331

Complementary

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



84.6629, 0.3088, 0.3579



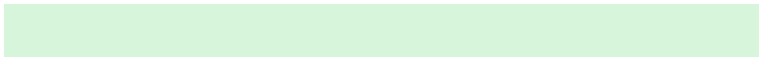
73.8694, 0.3169, 0.3017

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.



84.6629, 0.3355, 0.3160



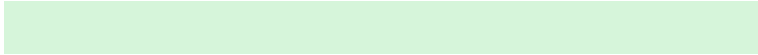
84.6629, 0.3088, 0.3579



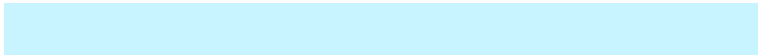
84.6629, 0.2955, 0.2953

Square

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



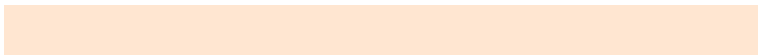
84.6629, 0.3088, 0.3579



84.6629, 0.2739, 0.3065



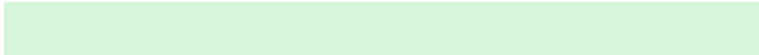
84.6629, 0.3156, 0.3024



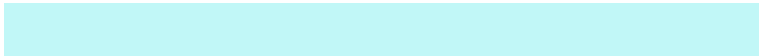
84.6629, 0.3531, 0.3497

Rectangle

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



84.6629, 0.3088, 0.3579



84.6629, 0.2806, 0.3295



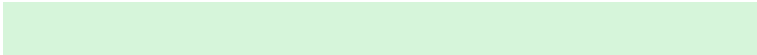
84.6629, 0.3156, 0.3024



84.6629, 0.3458, 0.3272

Sweetspot

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



84.6665, 0.3088, 0.3579



97.5577, 0.3115, 0.3377



88.9271, 0.3292, 0.3605



20.7861, 0.3113, 0.3393



0.0000, 0.0000, 0.0000



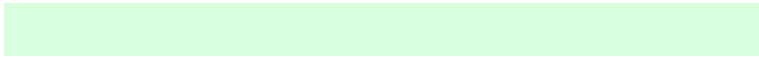
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6665, 0.3088, 0.3579



91.4912, 0.3080, 0.3639



85.4931, 0.3001, 0.3415



18.5069, 0.3098, 0.3502



35.2473, 0.2972, 0.5900



3.1087, 0.2923, 0.5724

Inverse Universe

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



73.8694, 0.3169, 0.3017



77.6623, 0.3178, 0.2964



73.0046, 0.3273, 0.3168



16.7292, 0.3158, 0.3086



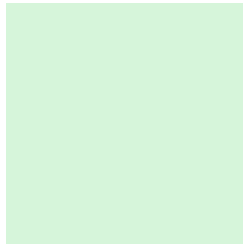
13.0689, 0.3565, 0.1738



1.1587, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 84.6629, 0.3088, 0.3579 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 84.6629, 0.3088, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

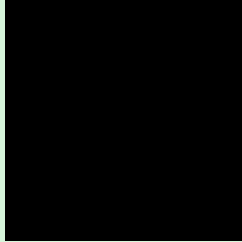
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

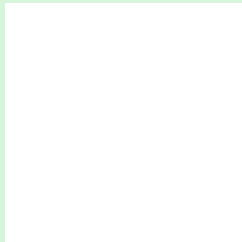
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6629, 0.3088, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 84.6629, 0.3088, 0.3579.

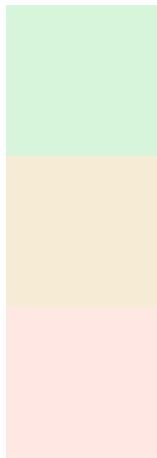


This preview shows how white text looks on a background with the Yxy color 84.6629, 0.3088, 0.3579.

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

84.6629, 0.3088, 0.3579

Protanopia

84.3878, 0.3342, 0.3525

Deuteranopia

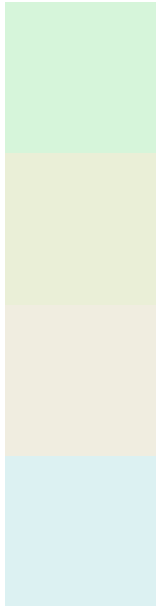
84.5193, 0.3318, 0.3340



Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.6629, 0.3088, 0.3579

Protanomaly

84.1317, 0.3243, 0.3540

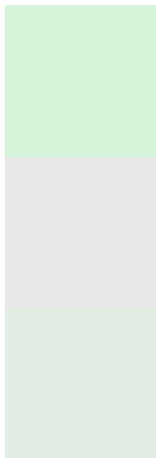
Deuteranomaly

84.4755, 0.3229, 0.3423

Tritanomaly

84.5370, 0.2987, 0.3279

Monochromacy



Original Color

84.6629, 0.3088, 0.3579

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3386, 0.3109, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6629, 0.3088, 0.3579 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 218) }
```

Border

The CSS property to change the border of an element to Yxy 84.6629, 0.3088, 0.3579 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, 218) }
```

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

```
.border{ border-color:rgb(214, 245, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6629, 0.3088, 0.3579 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, 218) }
```

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

```
.background{ background-color: rgb(214,  
245, 218) }
```

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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