

Converting Colors

$Yxy(89.2963, 0.2972, 0.3572)$

Have a look what the booklet for
Yxy(89.2963, 0.2972, 0.3572)
contains.

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Color

Yxy(89.3224, 0.2969, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	CCFEE4
RGB	204, 254, 228
RGB Percent	80%, 100%, 89%
CMY	0.2000, 0.0039, 0.1058
CMYK	0.20, 0.00, 0.10, 0.00
HSL	149°, 96%, 90%
HSV	149°, 20%, 100%
XYZ	74.3477, 89.3224, 86.7431
YIQ	236.0860, -21.4540, -18.6860

Conversions

Conversions Part 2

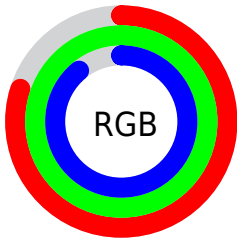
Format	Color
R_{YB}	204, 238, 254
Decimal	13434596
CIE _{Lab}	95.71, -20.84, 7.21
CIE _{LCh}	96, 22.047, 160.920
Yxy	89.3224, 0.2969, 0.3567
Android (android.graphics.Color)	4291624676 (0xFFCCFEE4)
YUV	236.0860, -3.9864, -28.1394
Hunter-Lab	94.5105, -24.9745, 11.7401

Details

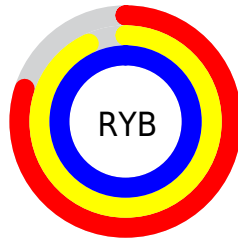
The Yxy color **89.3224, 0.2969, 0.3567** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9628, 0.3322, 0.3029**, and the grayscale version is **83.9953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3392, 0.2930, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **85.3200, 0.2894, 0.3731**, and if you desaturate by 10%, it is **93.9734, 0.3048, 0.3419**.

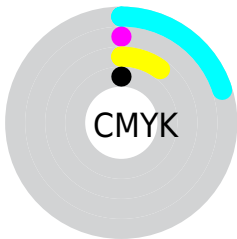
Distribution



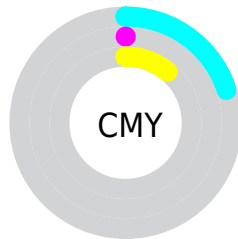
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3224, 0.2969, 0.3567 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 89.3224, 0.2969, 0.3567 by changing the saturation by 10% instead.

 89.3224, 0.2969,
0.3567

 89.3224, 0.2969,
0.3567

525.8242, 0.3041,
0.3441

 67.4188, 0.2953,
0.3595


146.3968, 0.2994,
0.3524

 49.4250, 0.2933,
0.3630


182.3364, 0.3003,
0.3507

 34.9568, 0.2908,
0.3674


223.7235, 0.3012,
0.3492

 23.6296, 0.2876,
0.3731

270.9423, 0.3019,
0.3479

 15.0591, 0.2833,
0.3807

324.3775, 0.3025,
0.3468

 8.8608, 0.2773,
0.3916

384.4132, 0.3031,

 4.6505, 0.2681,

0.3458

0.4082

451.4340, 0.3036,
0.3449

■ 2.0437, 0.2526,
0.4364

■ 0.6327, 0.1018,
0.6949

■ 89.3224, 0.2969,
0.3567

■ 89.3224, 0.2969,
0.3567

■ 85.3200, 0.2894,
0.3731

■ 93.9734, 0.3048,
0.3419

■ 81.9255, 0.2827,
0.3910

99.2895, 0.3130,
0.3286

■ 79.1107, 0.2771,
0.4102

99.3673, 0.3128,
0.3281

■ 76.8405, 0.2730,
0.4304

■ 75.0760, 0.2705,
0.4511

■ 73.7728, 0.2701,
0.4716

■ 72.8784, 0.2717,
0.4914

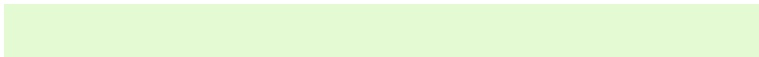
■ 72.3102, 0.2750,
0.5100

■ 72.2950, 0.2752,
0.5105

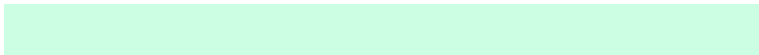
Harmonies

Analogous

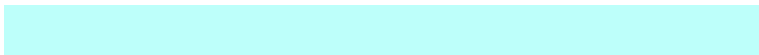
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3224, 0.3216, 0.3707



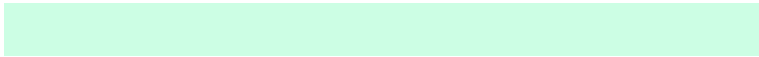
89.3224, 0.2969, 0.3567



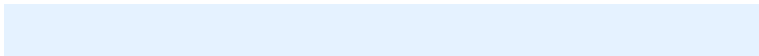
89.3224, 0.2770, 0.3345

Triad

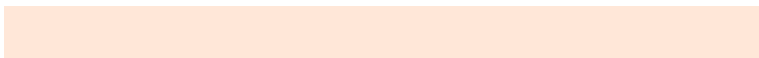
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3224, 0.2969, 0.3567



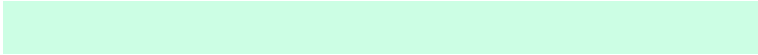
89.3224, 0.2808, 0.2878



89.3224, 0.3612, 0.3431

Complementary

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



89.3224, 0.2969, 0.3567



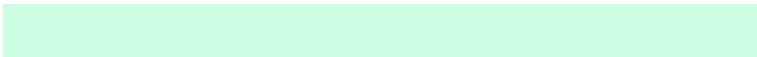
69.9628, 0.3322, 0.3029

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.



89.3224, 0.3494, 0.3222



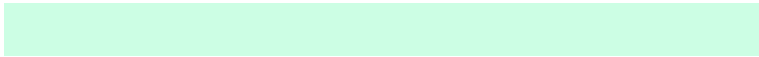
89.3224, 0.2969, 0.3567



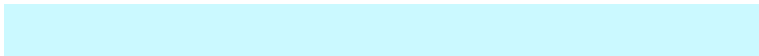
89.3224, 0.3023, 0.2911

Square

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



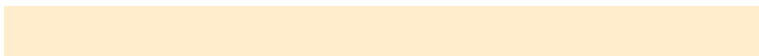
89.3224, 0.2969, 0.3567



89.3224, 0.2680, 0.2950



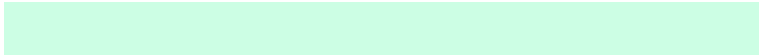
89.3224, 0.3276, 0.3035



89.3224, 0.3593, 0.3615

Rectangle

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



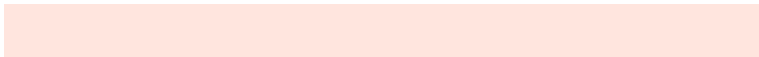
89.3224, 0.2969, 0.3567



89.3224, 0.2688, 0.3190



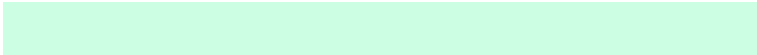
89.3224, 0.3276, 0.3035



89.3224, 0.3587, 0.3362

Sweetspot

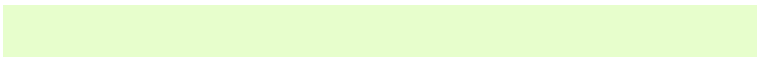
The Sweet Spot groups the original color and five complimentary colors.



89.3261, 0.2969, 0.3567



96.7116, 0.3078, 0.3368



92.1794, 0.3271, 0.3807



20.6268, 0.3073, 0.3377



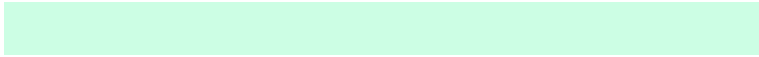
0.0000, 0.0000, 0.0000



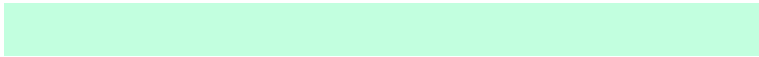
21.4041, 0.3127, 0.3290

Same Dimension

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



89.3261, 0.2969, 0.3567



88.3025, 0.2936, 0.3636



90.7727, 0.2840, 0.3307



20.3136, 0.3050, 0.3416



38.1423, 0.2743, 0.5076



3.7357, 0.2684, 0.4863

Inverse Universe

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



69.9628, 0.3322, 0.3029



65.2226, 0.3375, 0.2969



68.6913, 0.3506, 0.3274



18.1446, 0.3212, 0.3167



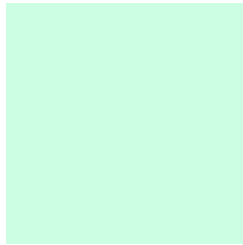
12.0157, 0.4882, 0.2463



1.1920, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 89.3224, 0.2969, 0.3567 looks on a white background.

Color Contrast Check

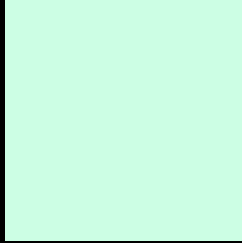
Large Text (above 18pt) WCAG AA × Fail

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 89.3224, 0.2969, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

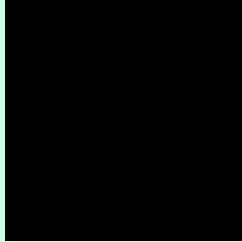
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

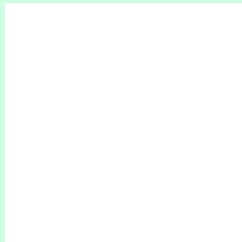
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3224, 0.2969, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 89.3224, 0.2969, 0.3567.

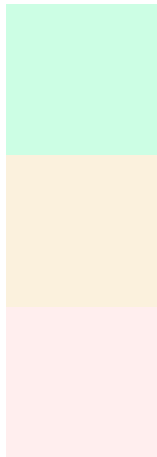


This preview shows how white text looks on a background with the Yxy color 89.3224, 0.2969, 0.3567.

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

89.3224, 0.2969, 0.3567

Protanopia

88.6403, 0.3318, 0.3490

Deuteranopia

88.5821, 0.3241, 0.3290



Tritanopia

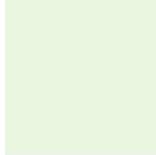
89.0188, 0.2962, 0.3189

Trichromacy



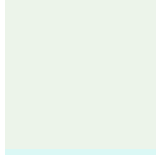
Original Color

89.3224, 0.2969, 0.3567



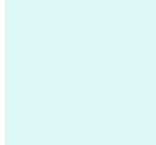
Protanomaly

88.7858, 0.3181, 0.3516



Deuteranomaly

88.4747, 0.3135, 0.3391



Tritanomaly

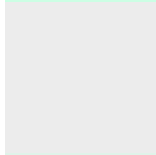
88.7874, 0.2964, 0.3320

Monochromacy



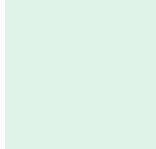
Original Color

89.3224, 0.2969, 0.3567



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8317, 0.3064, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3224, 0.2969, 0.3567 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(204, 254, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 254, 228)  
}
```

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(204, 254, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 254, 228) }
```

Border

The CSS property to change the border of an element to Yxy 89.3224, 0.2969, 0.3567 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(204, 254, 228) }
```

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

```
.border{ border-color:rgb(204, 254, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 254, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 254,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3224, 0.2969, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 254, 228) }
```

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

```
.background{ background-color: rgb(204,  
254, 228) }
```

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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