

Converting Colors

$Y_{xy}(161.9981, 0.3017, 0.4468)$

Have a look what the booklet for
Yxy(161.9981, 0.3017, 0.4468)
contains.

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Color

Yxy(89.2263, 0.3023, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFD9
RGB	203, 255, 217
RGB Percent	80%, 100%, 85%
CMY	0.2042, 0.0000, 0.1490
CMYK	0.20, 0.00, 0.15, 0.00
HSL	136°, 100%, 90%
HSV	136°, 20%, 100%
XYZ	72.9003, 89.2263, 79.0256
YIQ	235.1200, -18.7940, -22.8420

Conversions

Conversions Part 2

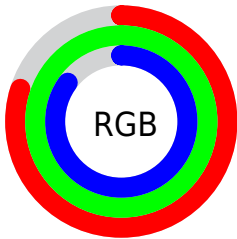
Format	Color
R _Y B	203, 244, 255
Decimal	13369305
CIE Lab	95.67, -23.67, 12.81
CIE LCh	96, 26.915, 151.584
Yxy	89.2263, 0.3023, 0.3700
Android (android.graphics.Color)	4291559385 (0xFFCBBFD9)
YUV	235.1200, -8.9332, -28.1692
Hunter-Lab	94.4597, -27.5451, 16.5194

Details

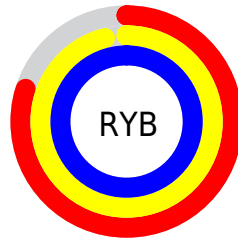
The Yxy color **89.2263, 0.3023, 0.3700** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.2902, 0.3251, 0.2912**, and the grayscale version is **83.2387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2927, 0.2998, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **85.0140, 0.2975, 0.3937**, and if you desaturate by 10%, it is **94.1196, 0.3074, 0.3486**.

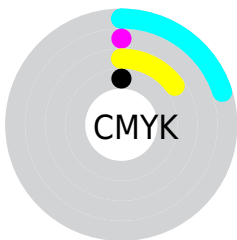
Distribution



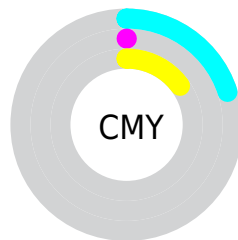
- Red (80%)
- Green (100%)
- Blue (85%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2263, 0.3023, 0.3700 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 89.2263, 0.3023, 0.3700 by changing the saturation by 10% instead.


 89.2263, 0.3023,
0.3700

 89.2263, 0.3023,
0.3700


525.5108, 0.3072,
0.3511

 67.3391, 0.3012,
0.3743

146.2632, 0.3040,
0.3635

 49.3603, 0.2997,
0.3796


182.1818, 0.3047,
0.3609

 34.9054, 0.2979,
0.3862


223.5462, 0.3053,
0.3587

 23.5900, 0.2955,
0.3949

270.7409, 0.3058,
0.3568

 15.0297, 0.2921,
0.4066

324.1504, 0.3062,
0.3552

 8.8403, 0.2873,
0.4234

384.1589, 0.3066,

 4.6371, 0.2794,

0.3537

0.4492

451.1509, 0.3069,
0.3523

■ 2.0360, 0.2651,
0.4938

■ 0.6282, 0.0297,
0.9703

■ 89.2263, 0.3023,
0.3700

■ 89.2263, 0.3023,
0.3700

■ 85.0140, 0.2975,
0.3937

■ 94.1196, 0.3074,
0.3486


■ 81.4758, 0.2931,
0.4196


99.7495, 0.3125,
0.3297


■ 78.5681, 0.2895,
0.4471


100.0000, 0.3127,
0.3290

■ 76.2529, 0.2871,
0.4754

 74.4874, 0.2860,
0.5032

 73.2233, 0.2865,
0.5292

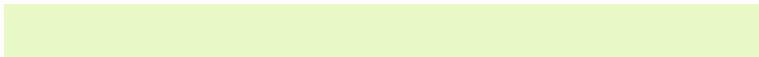
 72.4031, 0.2885,
0.5519

 71.9482, 0.2915,
0.5695

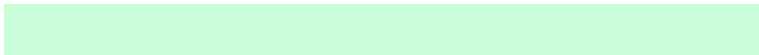
Harmonies

Analogous

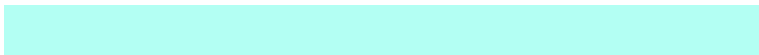
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2263, 0.3326, 0.3826



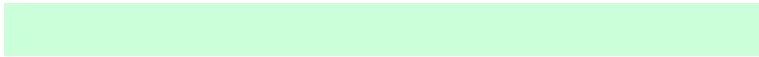
89.2263, 0.3023, 0.3700



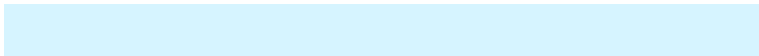
89.2263, 0.2757, 0.3447

Triad

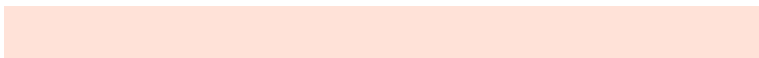
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2263, 0.3023, 0.3700



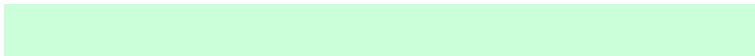
89.2263, 0.2677, 0.2804



89.2263, 0.3693, 0.3379

Complementary

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



89.2263, 0.3023, 0.3700



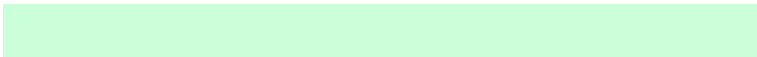
70.2902, 0.3251, 0.2912

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.



89.2263, 0.3502, 0.3130



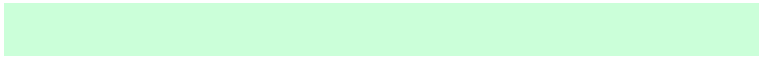
89.2263, 0.3023, 0.3700



89.2263, 0.2909, 0.2807

Square

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



89.2263, 0.3023, 0.3700



89.2263, 0.2564, 0.2925



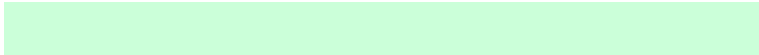
89.2263, 0.3211, 0.2925



89.2263, 0.3722, 0.3619

Rectangle

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



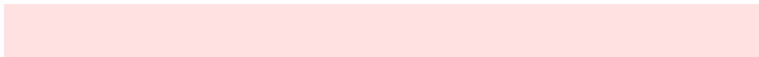
89.2263, 0.3023, 0.3700



89.2263, 0.2633, 0.3252



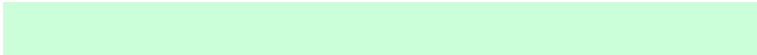
89.2263, 0.3211, 0.2925



89.2263, 0.3645, 0.3294

Sweetspot

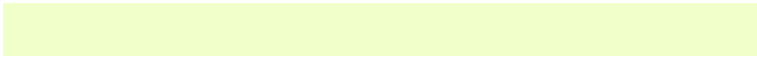
The Sweet Spot groups the original color and five complimentary colors.



89.2178, 0.3023, 0.3700



96.5143, 0.3096, 0.3400



94.5503, 0.3344, 0.3816



20.5803, 0.3093, 0.3413



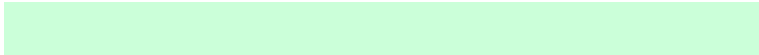
0.0000, 0.0000, 0.0000



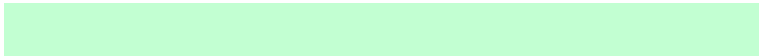
21.4041, 0.3127, 0.3290

Same Dimension

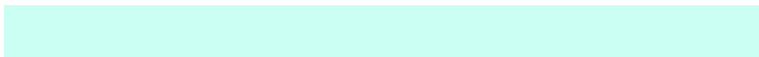
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2178, 0.3023, 0.3700



87.6326, 0.3005, 0.3782



90.6701, 0.2884, 0.3417



20.2488, 0.3078, 0.3468



37.6156, 0.2908, 0.5668



3.6798, 0.2848, 0.5451

Inverse Universe

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



70.2902, 0.3251, 0.2912



65.9552, 0.3277, 0.2844



68.8538, 0.3443, 0.3167



18.2117, 0.3180, 0.3118



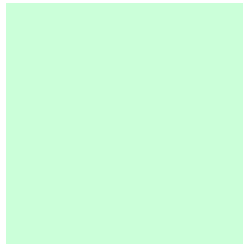
12.9902, 0.4038, 0.1998



1.2831, 0.3921, 0.1934

Previews

White Background



This preview shows how the Yxy color 89.2263, 0.3023, 0.3700 looks on a white background.

Color Contrast Check

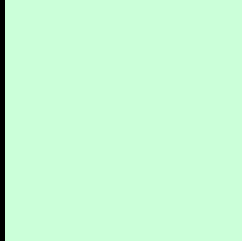
Large Text (above 18pt) WCAG AA × Fail

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 89.2263, 0.3023, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

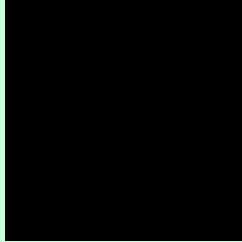
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

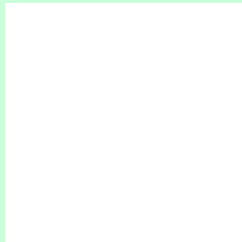
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2263, 0.3023, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 89.2263, 0.3023, 0.3700.

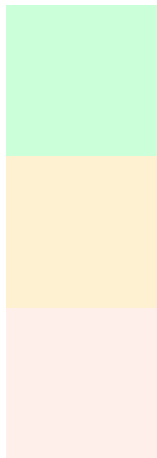


This preview shows how white text looks on a background with the Yxy color 89.2263, 0.3023, 0.3700.

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

89.2263, 0.3023, 0.3700

Protanopia

88.6346, 0.3410, 0.3599

Deuteranopia

88.9335, 0.3265, 0.3339



Tritanopia

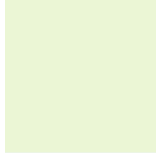
89.0188, 0.2962, 0.3189

Trichromacy



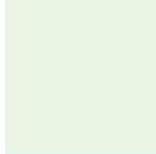
Original Color

89.2263, 0.3023, 0.3700



Protanomaly

88.3778, 0.3254, 0.3630



Deuteranomaly

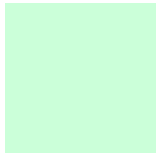
88.7391, 0.3171, 0.3463



Tritanomaly

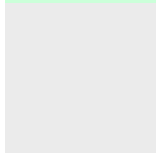
89.1623, 0.2987, 0.3372

Monochromacy



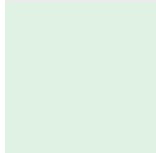
Original Color

89.2263, 0.3023, 0.3700



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7937, 0.3088, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2263, 0.3023, 0.3700 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(203, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 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(203, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 89.2263, 0.3023, 0.3700 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(203, 255, 217) }
```

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

```
.border{ border-color:rgb(203, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2263, 0.3023, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 217) }
```

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

```
.background{ background-color: rgb(203,  
255, 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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