

Converting Colors

$Yxy(90.0842, 0.3062, 0.3699)$

Have a look what the booklet for
Yxy(90.0842, 0.3062, 0.3699)
contains.

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Color

Yxy(90.0851, 0.3059, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFD9
RGB	209, 255, 217
RGB Percent	82%, 100%, 85%
CMY	0.1807, 0.0000, 0.1491
CMYK	0.18, 0.00, 0.15, 0.00
HSL	131°, 100%, 91%
HSV	131°, 18%, 100%
XYZ	74.5591, 90.0851, 79.0926
YIQ	236.9140, -15.2180, -21.5700

Conversions

Conversions Part 2

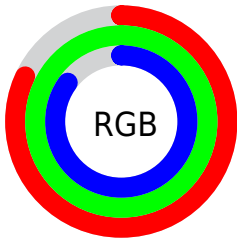
Format	Color
RYB	209, 248, 255
Decimal	13762521
CIELab	96.03, -21.77, 13.37
CIElCh	96, 25.546, 148.434
Yxy	90.0851, 0.3059, 0.3696
Android (android.graphics.Color)	4291952601 (0xFFD1FFD9)
YUV	236.9140, -9.8176, -24.4806
Hunter-Lab	94.9132, -25.8773, 17.0320

Details

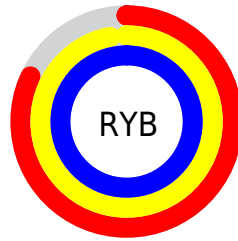
The Yxy color **90.0851, 0.3059, 0.3696** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5306, 0.3204, 0.2916**, and the grayscale version is **84.6817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8668, 0.3043, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **85.6216, 0.3022, 0.3959**, and if you desaturate by 10%, it is **95.2571, 0.3097, 0.3460**.

Distribution



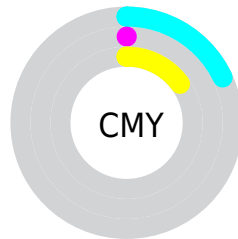
- Red (82%)
- Green (100%)
- Blue (85%)



- Red (82%)
- Yellow (97%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0851, 0.3059, 0.3696 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 90.0851, 0.3059, 0.3696 by changing the saturation by 10% instead.


 90.0851, 0.3059,
0.3696

 90.0851, 0.3059,
0.3696


528.3076, 0.3092,
0.3510

 68.0512, 0.3051,
0.3738

147.4566, 0.3071,
0.3632

 49.9394, 0.3041,
0.3790


183.5630, 0.3075,
0.3607

 35.3653, 0.3028,
0.3855


225.1291, 0.3079,
0.3585

 23.9444, 0.3011,
0.3940

272.5391, 0.3082,
0.3566

 15.2924, 0.2987,
0.4055

326.1776, 0.3085,
0.3549

 9.0248, 0.2952,
0.4218

386.4290, 0.3088,

 4.7574, 0.2893,

0.3535

0.4469

453.6775, 0.3090,
0.3522

■ 2.1056, 0.2782,
0.4897

■ 0.6678, 0.1340,
0.8660

■ 90.0851, 0.3059,
0.3696

■ 90.0851, 0.3059,
0.3696

■ 85.6216, 0.3022,
0.3959

■ 95.2571, 0.3097,
0.3460

■ 81.8724, 0.2987,
0.4248

100.0000, 0.3127,
0.3290

■ 78.7882, 0.2958,
0.4555

■ 76.3298, 0.2936,
0.4868

■ 74.4534, 0.2924,
0.5171

■ 73.1098, 0.2924,
0.5445

■ 72.2412, 0.2937,
0.5672

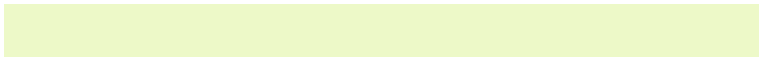
■ 71.7710, 0.2958,
0.5837

■ 71.7068, 0.2962,
0.5863

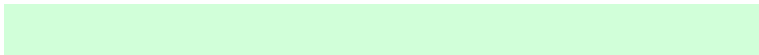
Harmonies

Analogous

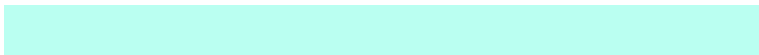
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0851, 0.3345, 0.3800



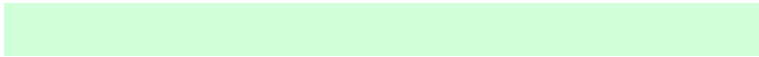
90.0851, 0.3059, 0.3696



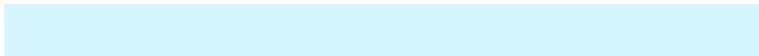
90.0851, 0.2799, 0.3467

Triad

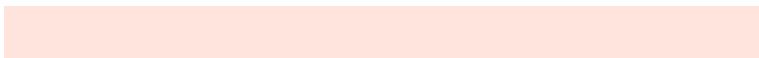
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0851, 0.3059, 0.3696



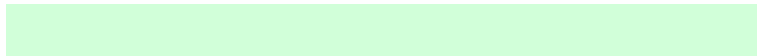
90.0851, 0.2683, 0.2836



90.0851, 0.3649, 0.3350

Complementary

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



90.0851, 0.3059, 0.3696



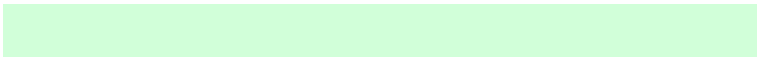
73.5306, 0.3204, 0.2916

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.



90.0851, 0.3456, 0.3115



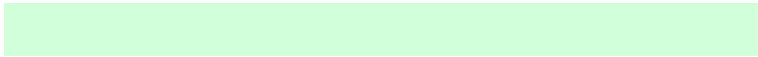
90.0851, 0.3059, 0.3696



90.0851, 0.2894, 0.2826

Square

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



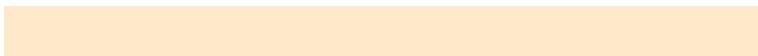
90.0851, 0.3059, 0.3696



90.0851, 0.2590, 0.2964



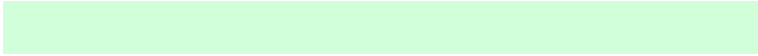
90.0851, 0.3176, 0.2928



90.0851, 0.3695, 0.3581

Rectangle

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



90.0851, 0.3059, 0.3696



90.0851, 0.2674, 0.3283



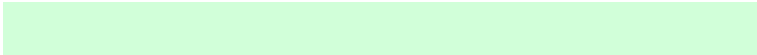
90.0851, 0.3176, 0.2928



90.0851, 0.3599, 0.3269

Sweetspot

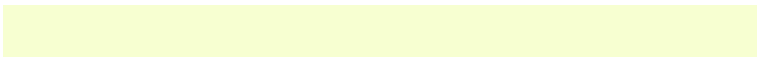
The Sweet Spot groups the original color and five complimentary colors.



90.0720, 0.3059, 0.3696



97.0025, 0.3109, 0.3393



95.9515, 0.3349, 0.3749



20.6757, 0.3106, 0.3408



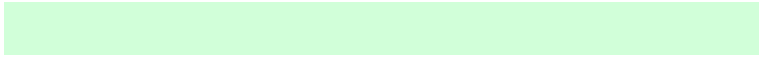
0.0000, 0.0000, 0.0000



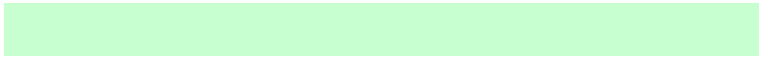
21.4041, 0.3127, 0.3290

Same Dimension

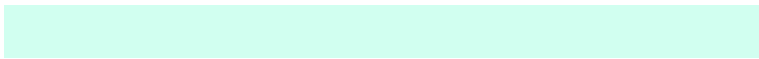
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0720, 0.3059, 0.3696



88.2382, 0.3044, 0.3796



91.3328, 0.2935, 0.3450



20.2201, 0.3092, 0.3492



37.4833, 0.2956, 0.5842



3.6632, 0.2905, 0.5659

Inverse Universe

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



73.5306, 0.3204, 0.2916



68.6642, 0.3223, 0.2832



72.2164, 0.3366, 0.3136



18.2426, 0.3165, 0.3096



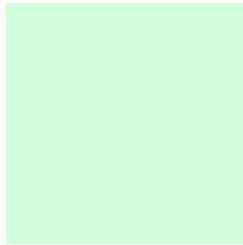
13.5692, 0.3710, 0.1817



1.3349, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 90.0851, 0.3059, 0.3696 looks on a white background.

Color Contrast Check

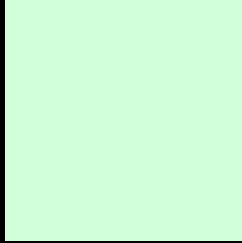
Large Text (above 18pt) WCAG AA × Fail

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 90.0851, 0.3059, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

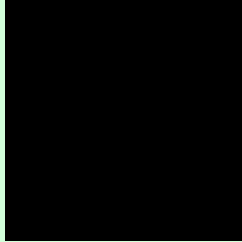
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

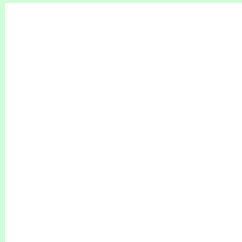
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0851, 0.3059, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 90.0851, 0.3059, 0.3696.

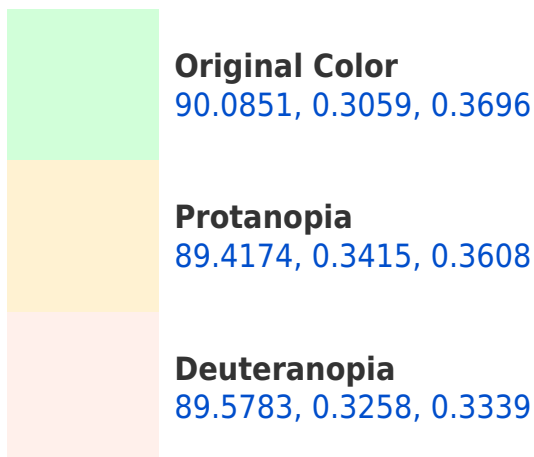


This preview shows how white text looks on a background with the Yxy color 90.0851, 0.3059, 0.3696.

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

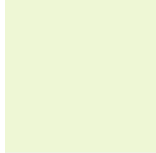
89.5137, 0.2981, 0.3190

Trichromacy



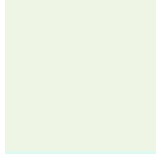
Original Color

90.0851, 0.3059, 0.3696



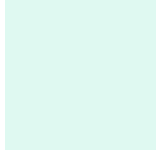
Protanomaly

89.5028, 0.3273, 0.3638



Deuteranomaly

89.0834, 0.3184, 0.3463



Tritanomaly

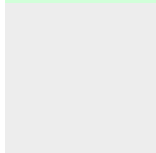
89.7902, 0.3011, 0.3372

Monochromacy



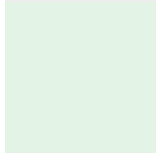
Original Color

90.0851, 0.3059, 0.3696



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7454, 0.3101, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0851, 0.3059, 0.3696 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(209, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 90.0851, 0.3059, 0.3696 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(209, 255, 217) }
```

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

```
.border{ border-color:rgb(209, 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(209, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0851, 0.3059, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 217) }
```

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

```
.background{ background-color: rgb(209,  
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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