

Converting Colors

$Yxy(93.9807, 0.3047, 0.3685)$

Have a look what the booklet for
Yxy(93.9807, 0.3047, 0.3685)
contains.

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Color

Yxy(90.7910, 0.3050, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFDE
RGB	212, 255, 222
RGB Percent	83%, 100%, 87%
CMY	0.1686, 0.0000, 0.1295
CMYK	0.17, 0.00, 0.13, 0.00
HSL	134°, 100%, 92%
HSV	134°, 17%, 100%
XYZ	76.0958, 90.7910, 82.6076
YIQ	238.3810, -15.0350, -19.3790

Conversions

Conversions Part 2

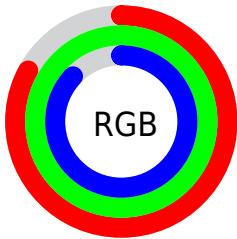
Format	Color
R_{YB}	212, 247, 255
Decimal	13959134
CIE _{Lab}	96.32, -19.88, 11.25
CIE _{LCh}	96, 22.841, 150.489
Yxy	90.7910, 0.3050, 0.3639
Android (android.graphics.Color)	4292149214 (0xFFD4FFDE)
YUV	238.3810, -8.0758, -23.1361
Hunter-Lab	95.2843, -24.1942, 15.2970

Details

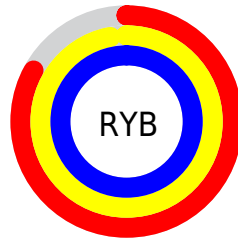
The Yxy color **90.7910, 0.3050, 0.3639** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.9458, 0.3215, 0.2965**, and the grayscale version is **85.8832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3463, 0.3031, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **86.3062, 0.3005, 0.3881**, and if you desaturate by 10%, it is **95.9971, 0.3096, 0.3423**.

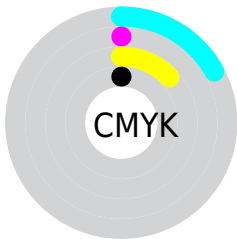
Distribution



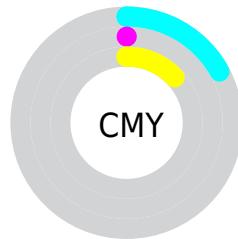
- Red (83%)
- Green (100%)
- Blue (87%)



- Red (83%)
- Yellow (97%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7910, 0.3050, 0.3639 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 90.7910, 0.3050, 0.3639 by changing the saturation by 10% instead.


 90.7910, 0.3050,
0.3639

 90.7910, 0.3050,
0.3639

530.6006, 0.3086,
0.3480

 68.6369, 0.3042,
0.3675

148.4366, 0.3063,
0.3584

 50.4160, 0.3031,
0.3719


184.6970, 0.3068,
0.3563

 35.7441, 0.3018,
0.3774


226.4281, 0.3072,
0.3544

 24.2366, 0.3000,
0.3846

274.0145, 0.3076,
0.3528

 15.5092, 0.2976,
0.3943

327.8406, 0.3079,
0.3514

 9.1776, 0.2941,
0.4080

388.2907, 0.3082,

 4.8572, 0.2884,

0.3501

0.4290

455.7492, 0.3084,
0.3490

■ 2.1637, 0.2783,
0.4646

■ 0.7001, 0.2047,
0.7953

■ 90.7910, 0.3050,
0.3639

■ 90.7910, 0.3050,
0.3639

■ 86.3062, 0.3005,
0.3881

■ 95.9971, 0.3096,
0.3423

■ 82.5092, 0.2964,
0.4146

100.0000, 0.3127,
0.3290

■ 79.3659, 0.2929,
0.4430

■ 76.8384, 0.2902,
0.4725

■ 74.8852, 0.2888,
0.5017

■ 73.4593, 0.2887,
0.5291

■ 72.5060, 0.2901,
0.5530

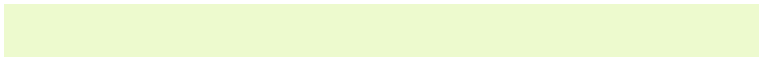
■ 71.9569, 0.2928,
0.5721

■ 71.8374, 0.2936,
0.5771

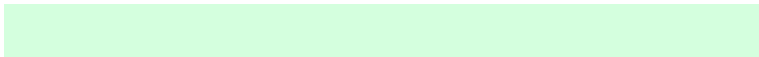
Harmonies

Analogous

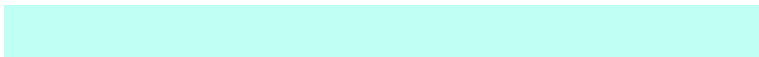
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7910, 0.3306, 0.3741



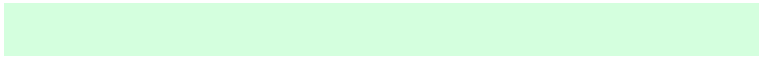
90.7910, 0.3050, 0.3639



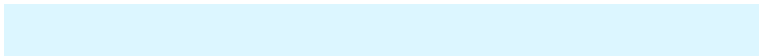
90.7910, 0.2821, 0.3431

Triad

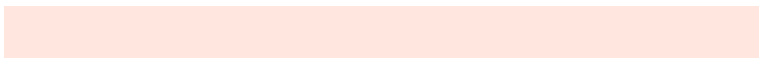
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7910, 0.3050, 0.3639



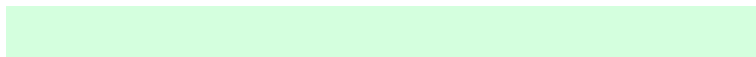
90.7910, 0.2740, 0.2879



90.7910, 0.3599, 0.3360

Complementary

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



90.7910, 0.3050, 0.3639



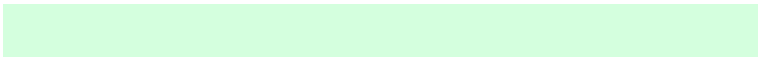
74.9458, 0.3215, 0.2965

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.



90.7910, 0.3435, 0.3148



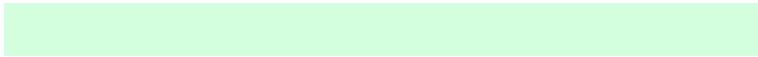
90.7910, 0.3050, 0.3639



90.7910, 0.2935, 0.2877

Square

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



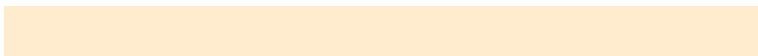
90.7910, 0.3050, 0.3639



90.7910, 0.2648, 0.2989



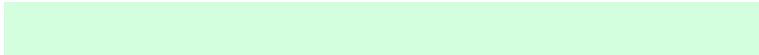
90.7910, 0.3190, 0.2974



90.7910, 0.3630, 0.3565

Rectangle

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



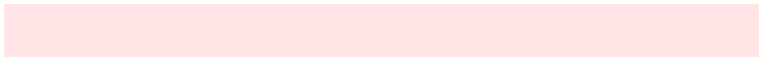
90.7910, 0.3050, 0.3639



90.7910, 0.2713, 0.3269



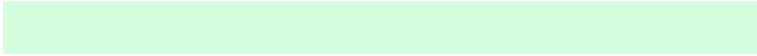
90.7910, 0.3190, 0.2974



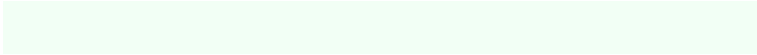
90.7910, 0.3558, 0.3288

Sweetspot

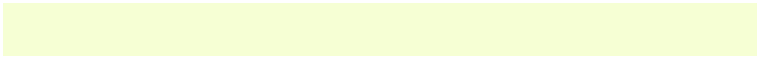
The Sweet Spot groups the original color and five complimentary colors.



90.7914, 0.3050, 0.3639



97.0468, 0.3104, 0.3386



95.8099, 0.3320, 0.3719



20.6864, 0.3101, 0.3400



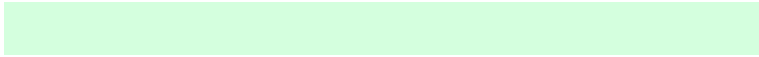
0.0000, 0.0000, 0.0000



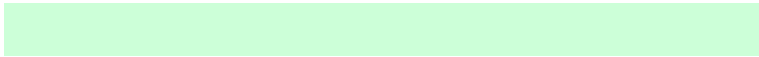
21.4041, 0.3127, 0.3290

Same Dimension

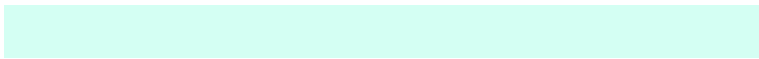
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7914, 0.3050, 0.3639



89.3065, 0.3036, 0.3712



91.9786, 0.2936, 0.3416



20.2372, 0.3084, 0.3478



37.5554, 0.2929, 0.5746



3.6726, 0.2872, 0.5540

Inverse Universe

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



74.9458, 0.3215, 0.2965



70.9270, 0.3234, 0.2902



73.7437, 0.3362, 0.3168



18.2240, 0.3174, 0.3109



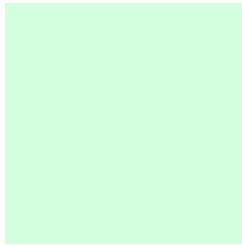
13.2116, 0.3901, 0.1923



1.3030, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 90.7910, 0.3050, 0.3639 looks on a white background.

Color Contrast Check

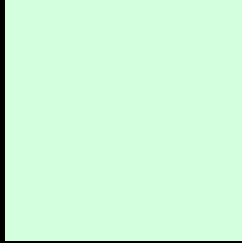
Large Text (above 18pt) WCAG AA × Fail

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 90.7910, 0.3050, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

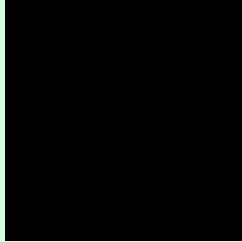
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

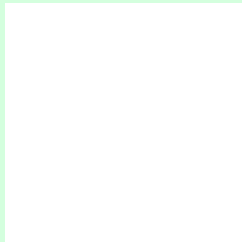
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7910, 0.3050, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 90.7910, 0.3050, 0.3639.

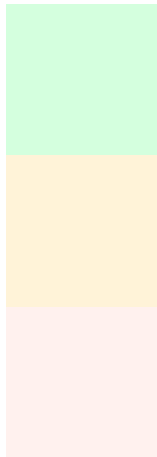


This preview shows how white text looks on a background with the Yxy color 90.7910, 0.3050, 0.3639.

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

90.7910, 0.3050, 0.3639

Protanopia

90.3191, 0.3375, 0.3557

Deuteranopia

90.3436, 0.3238, 0.3320



Tritanopia

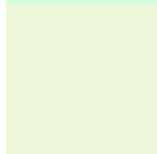
90.6240, 0.2999, 0.3200

Trichromacy



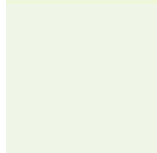
Original Color

90.7910, 0.3050, 0.3639



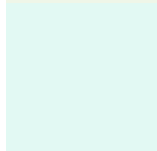
Protanomaly

89.9342, 0.3250, 0.3585



Deuteranomaly

90.0885, 0.3166, 0.3431



Tritanomaly

90.3912, 0.3018, 0.3351

Monochromacy



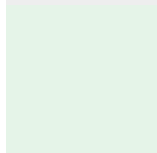
Original Color

90.7910, 0.3050, 0.3639



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1856, 0.3102, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7910, 0.3050, 0.3639 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(212, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 222)  
}
```

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(212, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 90.7910, 0.3050, 0.3639 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(212, 255, 222) }
```

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

```
.border{ border-color:rgb(212, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7910, 0.3050, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 222) }
```

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

```
.background{ background-color: rgb(212,  
255, 222) }
```

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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