

Converting Colors

$Y_{xy}(100.0000, 0.3080, 0.3854)$

Have a look what the booklet for
Yxy(100.0000, 0.3080, 0.3854)
contains.

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Color

Yxy(90.4233, 0.3089, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFD7
RGB	212, 255, 215
RGB Percent	83%, 100%, 84%
CMY	0.1685, 0.0000, 0.1568
CMYK	0.17, 0.00, 0.16, 0.00
HSL	124°, 100%, 92%
HSV	124°, 17%, 100%
XYZ	75.1864, 90.4233, 77.7908
YIQ	237.5830, -12.7880, -21.5560

Conversions

Conversions Part 2

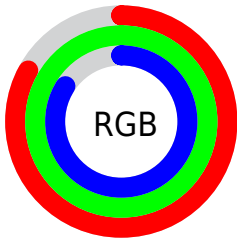
Format	Color
RYB	212, 252, 255
Decimal	13959127
CIELab	96.17, -21.08, 14.61
CIELCh	96, 25.646, 145.282
Yxy	90.4233, 0.3089, 0.3715
Android (android.graphics.Color)	4292149207 (0xFFD4FFD7)
YUV	237.5830, -11.1334, -22.4363
Hunter-Lab	95.0912, -25.2736, 18.0607

Details

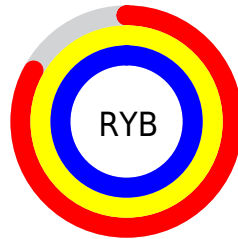
The Yxy color **90.4233, 0.3089, 0.3715** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.3944, 0.3167, 0.2899**, and the grayscale version is **85.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0943, 0.3079, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **85.7981, 0.3065, 0.4011**, and if you desaturate by 10%, it is **95.8316, 0.3112, 0.3452**.

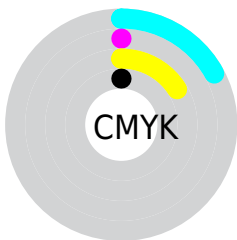
Distribution



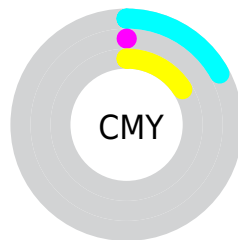
- Red (83%)
- Green (100%)
- Blue (84%)



- Red (83%)
- Yellow (99%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4233, 0.3089, 0.3715 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 90.4233, 0.3089, 0.3715 by changing the saturation by 10% instead.


 90.4233, 0.3089,
0.3715

 90.4233, 0.3089,
0.3715

529.4069, 0.3109,
0.3520

 68.3318, 0.3084,
0.3759


147.9262, 0.3096,
0.3648

 50.1677, 0.3078,
0.3813


184.1064, 0.3099,
0.3622

 35.5467, 0.3069,
0.3882


225.7517, 0.3101,
0.3599

 24.0843, 0.3057,
0.3970

273.2463, 0.3103,
0.3579

 15.3962, 0.3040,
0.4090

326.9747, 0.3105,
0.3562

 9.0979, 0.3014,
0.4260

387.3214, 0.3106,

 4.8051, 0.2968,

0.3546

0.4520

454.6706, 0.3108,
0.3533

■ 2.1334, 0.2877,
0.4964

■ 0.6833, 0.1648,
0.8352

■ 90.4233, 0.3089,
0.3715

■ 90.4233, 0.3089,
0.3715

■ 85.7981, 0.3065,
0.4011

■ 95.8316, 0.3112,
0.3452

■ 81.9090, 0.3042,
0.4334

99.9973, 0.3127,
0.3290

■ 78.7213, 0.3020,
0.4674

■ 76.1931, 0.3002,
0.5016

■ 74.2783, 0.2989,
0.5337

■ 72.9245, 0.2982,
0.5612

■ 72.0705, 0.2983,
0.5818

■ 71.6401, 0.2990,
0.5944

■ 71.5599, 0.2991,
0.5968

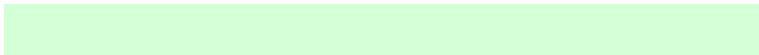
Harmonies

Analogous

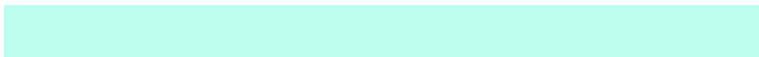
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4233, 0.3374, 0.3803



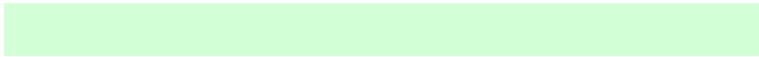
90.4233, 0.3089, 0.3715



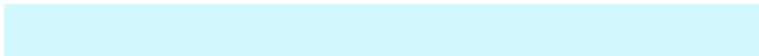
90.4233, 0.2823, 0.3495

Triad

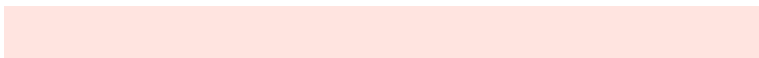
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4233, 0.3089, 0.3715



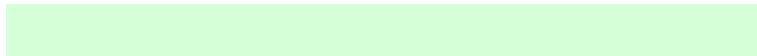
90.4233, 0.2666, 0.2842



90.4233, 0.3637, 0.3324

Complementary

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



90.4233, 0.3089, 0.3715



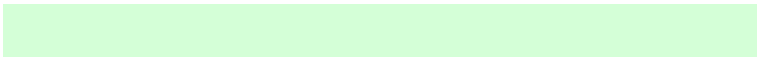
75.3944, 0.3167, 0.2899

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.



90.4233, 0.3430, 0.3092



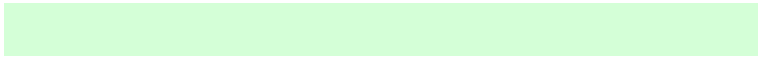
90.4233, 0.3089, 0.3715



90.4233, 0.2867, 0.2820

Square

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



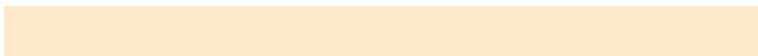
90.4233, 0.3089, 0.3715



90.4233, 0.2586, 0.2983



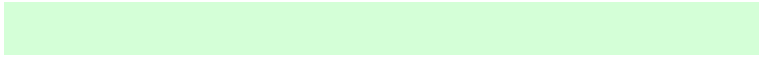
90.4233, 0.3145, 0.2911



90.4233, 0.3699, 0.3559

Rectangle

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



90.4233, 0.3089, 0.3715



90.4233, 0.2689, 0.3312



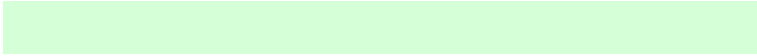
90.4233, 0.3145, 0.2911



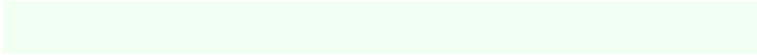
90.4233, 0.3581, 0.3244

Sweetspot

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



90.4271, 0.3089, 0.3715



96.9207, 0.3116, 0.3406



96.9928, 0.3362, 0.3713



20.6559, 0.3115, 0.3424



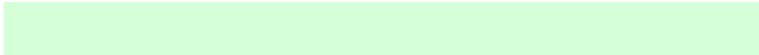
0.0000, 0.0000, 0.0000



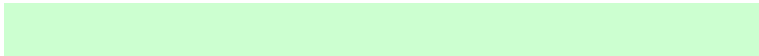
21.4041, 0.3127, 0.3290

Same Dimension

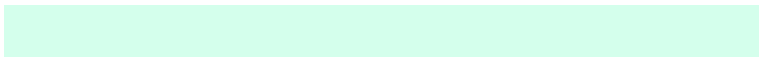
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4271, 0.3089, 0.3715



88.8887, 0.3082, 0.3805



91.5982, 0.2971, 0.3484



20.1886, 0.3106, 0.3518



37.4005, 0.2988, 0.5957



3.6483, 0.2961, 0.5860

Inverse Universe

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



75.3944, 0.3167, 0.2899



71.4400, 0.3175, 0.2824



74.1150, 0.3316, 0.3104



18.2773, 0.3149, 0.3072



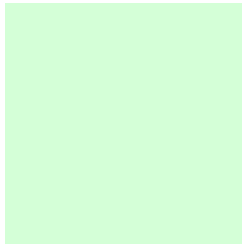
14.3226, 0.3392, 0.1642



1.4008, 0.3369, 0.1629

Previews

White Background



This preview shows how the Yxy color 90.4233, 0.3089, 0.3715 looks on a white background.

Color Contrast Check

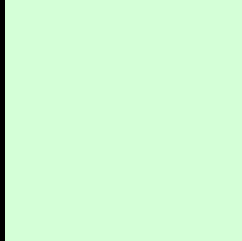
Large Text (above 18pt) WCAG AA × Fail

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 90.4233, 0.3089, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

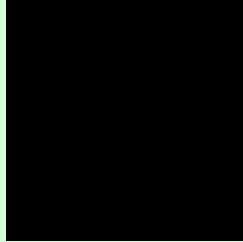
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

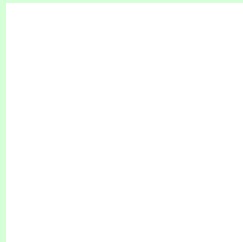
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4233, 0.3089, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 90.4233, 0.3089, 0.3715.

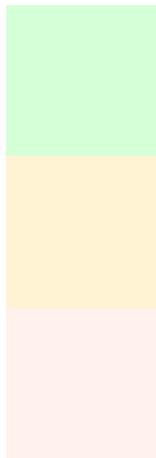


This preview shows how white text looks on a background with the Yxy color 90.4233, 0.3089, 0.3715.

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

90.4233, 0.3089, 0.3715

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

90.2267, 0.3251, 0.3339



Tritanopia

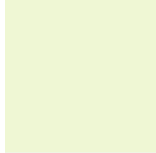
89.8485, 0.2993, 0.3190

Trichromacy



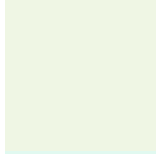
Original Color

90.4233, 0.3089, 0.3715



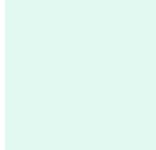
Protanomaly

89.6257, 0.3286, 0.3648



Deuteranomaly

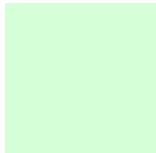
89.8637, 0.3190, 0.3472



Tritanomaly

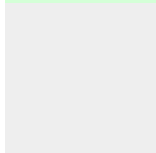
90.0502, 0.3029, 0.3382

Monochromacy



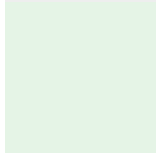
Original Color

90.4233, 0.3089, 0.3715



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0726, 0.3114, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4233, 0.3089, 0.3715 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 90.4233, 0.3089, 0.3715 is called "border". The border property can be set on classes, ids or directly on the HTML element.

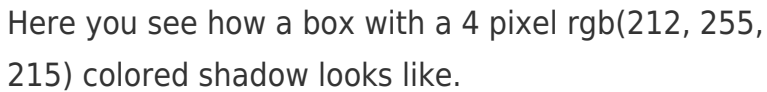
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 255, 215) }
```

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

```
.border{ border-color:rgb(212, 255, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4233, 0.3089, 0.3715 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, 215) }
```

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

```
.background{ background-color: rgb(212,  
255, 215) }
```

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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