

Converting Colors

$Y_{xy}(107.9151, 0.2955, 0.3805)$

Have a look what the booklet for
Yxy(107.9151, 0.2955, 0.3805)
contains.

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Color

Yxy(89.9860, 0.2947, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFE7
RGB	203, 255, 231
RGB Percent	80%, 100%, 91%
CMY	0.2041, 0.0000, 0.0940
CMYK	0.20, 0.00, 0.09, 0.00
HSL	152°, 100%, 90%
HSV	152°, 20%, 100%
XYZ	74.8064, 89.9860, 89.0468
YIQ	236.7160, -23.2880, -18.4880

Conversions

Conversions Part 2

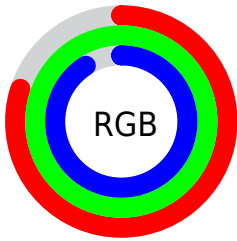
Format	Color
R _Y B	203, 237, 255
Decimal	13369319
CIE Lab	95.99, -21.08, 6.06
CIE LCh	96, 21.932, 163.972
Yxy	89.9860, 0.2947, 0.3545
Android (android.graphics.Color)	4291559399 (0xFFCBBFE7)
YUV	236.7160, -2.8180, -29.5689
Hunter-Lab	94.8610, -25.2433, 10.7466

Details

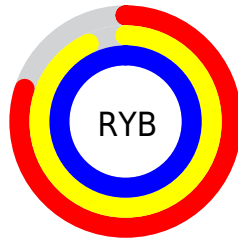
The Yxy color **89.9860, 0.2947, 0.3545** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4942, 0.3354, 0.3049**, and the grayscale version is **84.4854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7792, 0.2910, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **86.0503, 0.2866, 0.3690**, and if you desaturate by 10%, it is **94.5464, 0.3034, 0.3413**.

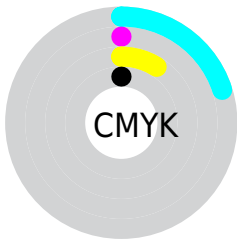
Distribution



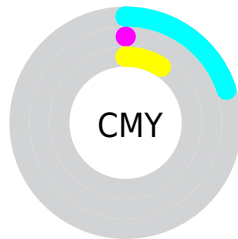
- Red (80%)
- Green (100%)
- Blue (91%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9860, 0.2947, 0.3545 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 89.9860, 0.2947, 0.3545 by changing the saturation by 10% instead.

 89.9860, 0.2947,
0.3545

 89.9860, 0.2947,
0.3545


527.9853, 0.3028,
0.3429

 67.9690, 0.2929,
0.3571


147.3189, 0.2975,
0.3505

 49.8725, 0.2907,
0.3603


183.4037, 0.2986,
0.3490

 35.3121, 0.2879,
0.3643


224.9465, 0.2995,
0.3476

 23.9034, 0.2843,
0.3694

272.3318, 0.3004,
0.3464

 15.2620, 0.2796,
0.3764

325.9439, 0.3011,
0.3454

 9.0035, 0.2729,
0.3862

386.1673, 0.3017,

 4.7434, 0.2629,

0.3445

0.4011

453.3863, 0.3023,
0.3437

■ 2.0975, 0.2463,
0.4263

■ 0.6632, 0.1074,
0.6154

■ 89.9860, 0.2947,
0.3545

■ 89.9860, 0.2947,
0.3545

■ 86.0503, 0.2866,
0.3690

■ 94.5464, 0.3034,
0.3413


■ 82.7226, 0.2793,
0.3849

99.7720, 0.3123,
0.3295

■ 79.9665, 0.2732,
0.4018


100.0000, 0.3127,
0.3290

■ 77.7468, 0.2687,
0.4196

 76.0244, 0.2659,
0.4379

 74.7544, 0.2653,
0.4562

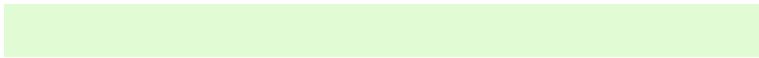
 73.8836, 0.2666,
0.4740

 73.3416, 0.2696,
0.4904

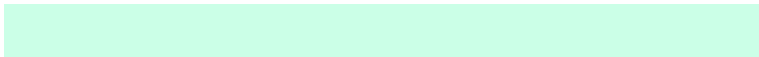
Harmonies

Analogous

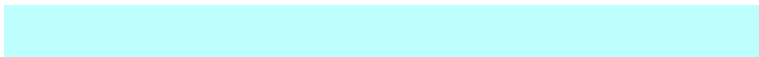
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9860, 0.3190, 0.3695



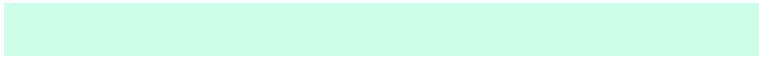
89.9860, 0.2947, 0.3545



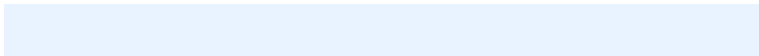
89.9860, 0.2757, 0.3321

Triad

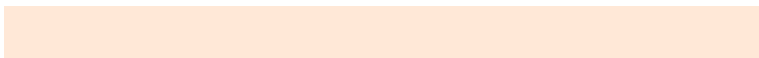
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9860, 0.2947, 0.3545



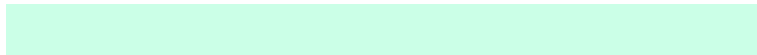
89.9860, 0.2829, 0.2880



89.9860, 0.3612, 0.3451

Complementary

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



89.9860, 0.2947, 0.3545



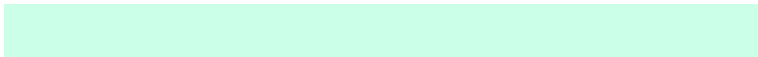
69.4942, 0.3354, 0.3049

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.



89.9860, 0.3508, 0.3243



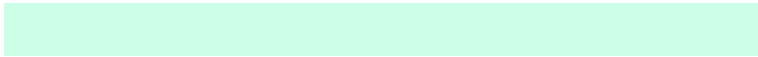
89.9860, 0.2947, 0.3545



89.9860, 0.3049, 0.2923

Square

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



89.9860, 0.2947, 0.3545



89.9860, 0.2691, 0.2940



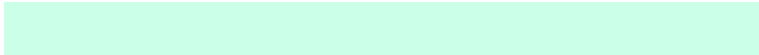
89.9860, 0.3299, 0.3053



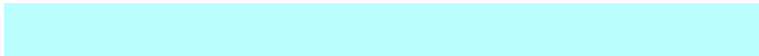
89.9860, 0.3580, 0.3628

Rectangle

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



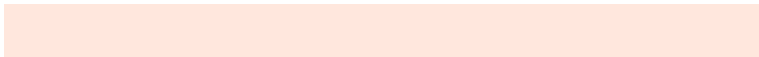
89.9860, 0.2947, 0.3545



89.9860, 0.2683, 0.3168



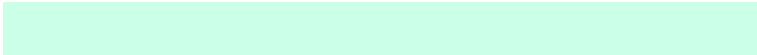
89.9860, 0.3299, 0.3053



89.9860, 0.3592, 0.3382

Sweetspot

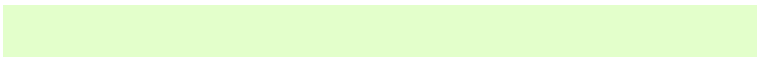
The Sweet Spot groups the original color and five complimentary colors.



89.9817, 0.2947, 0.3545



96.7672, 0.3073, 0.3359



92.2004, 0.3253, 0.3832



20.6400, 0.3067, 0.3367



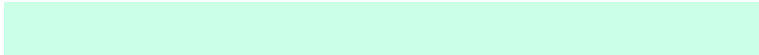
0.0000, 0.0000, 0.0000



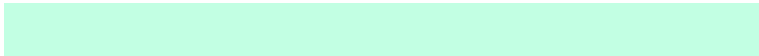
21.4041, 0.3127, 0.3290

Same Dimension

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



89.9817, 0.2947, 0.3545



88.4984, 0.2917, 0.3596



90.3288, 0.2820, 0.3271



20.3320, 0.3042, 0.3402



38.3531, 0.2688, 0.4876



3.7564, 0.2633, 0.4680

Inverse Universe

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



69.4942, 0.3354, 0.3049



65.0280, 0.3403, 0.3004



69.0856, 0.3534, 0.3309



18.1263, 0.3222, 0.3181



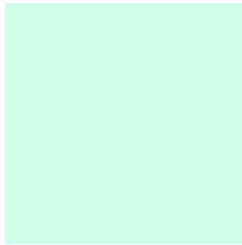
11.8150, 0.5131, 0.2600



1.1722, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 89.9860, 0.2947, 0.3545 looks on a white background.

Color Contrast Check

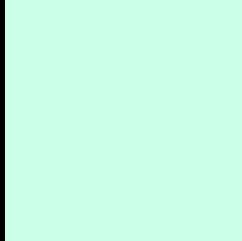
Large Text (above 18pt) WCAG AA × Fail

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 89.9860, 0.2947, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

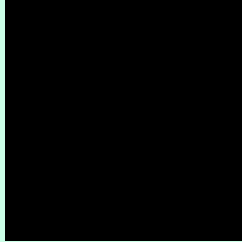
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

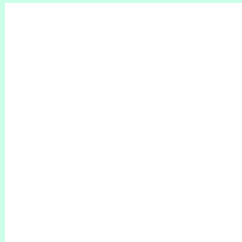
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9860, 0.2947, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 89.9860, 0.2947, 0.3545.

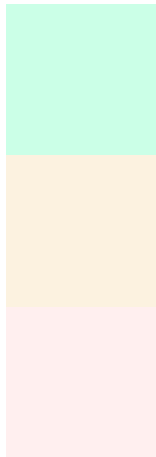


This preview shows how white text looks on a background with the Yxy color 89.9860, 0.2947, 0.3545.

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

89.9860, 0.2947, 0.3545

Protanopia

89.5815, 0.3305, 0.3469

Deuteranopia

89.2250, 0.3234, 0.3290



Tritanopia

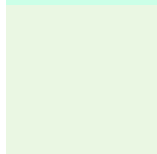
89.7895, 0.2969, 0.3199

Trichromacy



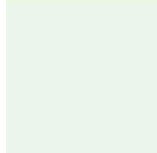
Original Color

89.9860, 0.2947, 0.3545



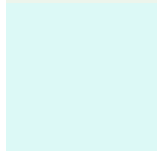
Protanomaly

89.5600, 0.3163, 0.3494



Deuteranomaly

89.1938, 0.3123, 0.3381



Tritanomaly

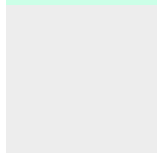
89.6208, 0.2965, 0.3320

Monochromacy



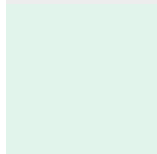
Original Color

89.9860, 0.2947, 0.3545



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7071, 0.3059, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9860, 0.2947, 0.3545 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 89.9860, 0.2947, 0.3545 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, 231) }
```

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

```
.border{ border-color:rgb(203, 255, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9860, 0.2947, 0.3545 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, 231) }
```

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

```
.background{ background-color: rgb(203,  
255, 231) }
```

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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