

Converting Colors

Yxy(89.7162, 0.2993, 0.3626)

Have a look what the booklet for
Yxy(89.7162, 0.2993, 0.3626)
contains.

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Color

Yxy(89.7392, 0.2991, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE0
RGB	204, 255, 224
RGB Percent	80%, 100%, 88%
CMY	0.2001, 0.0000, 0.1217
CMYK	0.20, 0.00, 0.12, 0.00
HSL	144°, 100%, 90%
HSV	144°, 20%, 100%
XYZ	74.1055, 89.7392, 83.9168
YIQ	236.2170, -20.4450, -20.4530

Conversions

Conversions Part 2

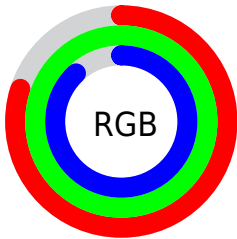
Format	Color
R_{YB}	204, 241, 255
Decimal	13434848
CIE _{Lab}	95.89, -22.08, 9.54
CIE _{LCh}	96, 24.058, 156.632
Yxy	89.7392, 0.2991, 0.3622
Android (android.graphics.Color)	4291624928 (0xFFCCFFE0)
YUV	236.2170, -6.0230, -28.2543
Hunter-Lab	94.7308, -26.1429, 13.7898

Details

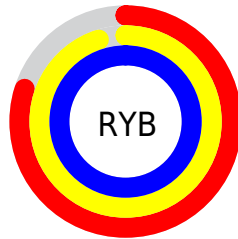
The Yxy color **89.7392, 0.2991, 0.3622** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.4256, 0.3293, 0.2980**, and the grayscale version is **84.1023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6423, 0.2957, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **85.6172, 0.2927, 0.3817**, and if you desaturate by 10%, it is **94.5144, 0.3058, 0.3446**.

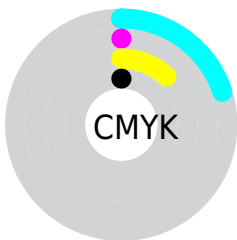
Distribution



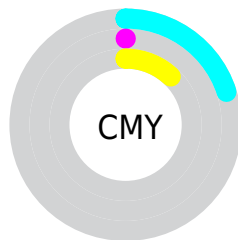
- Red (80%)
- Green (100%)
- Blue (88%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7392, 0.2991, 0.3622 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 89.7392, 0.2991, 0.3622 by changing the saturation by 10% instead.


 89.7392, 0.2991,
0.3622

 89.7392, 0.2991,
0.3622


527.1821, 0.3054,
0.3470

 67.7644, 0.2977,
0.3656


146.9761, 0.3013,
0.3570

 49.7061, 0.2959,
0.3698


183.0069, 0.3021,
0.3549

 35.1799, 0.2937,
0.3751


224.4918, 0.3028,
0.3532

 23.8015, 0.2909,
0.3820

271.8153, 0.3035,
0.3516

 15.1864, 0.2870,
0.3913

325.3617, 0.3040,
0.3503

 8.9503, 0.2815,
0.4045

385.5153, 0.3045,

 4.7088, 0.2729,

0.3491

0.4247

452.6607, 0.3050,
0.3480

■ 2.0774, 0.2582,
0.4594

■ 0.6519, 0.1038,
0.8411

■ 89.7392, 0.2991,
0.3622

■ 89.7392, 0.2991,
0.3622

■ 85.6172, 0.2927,
0.3817

■ 94.5144, 0.3058,
0.3446


■ 82.1376, 0.2870,
0.4029

99.9915, 0.3127,
0.3290


■ 79.2607, 0.2823,
0.4257


100.0000, 0.3127,
0.3290

■ 76.9501, 0.2789,
0.4495

 75.1654, 0.2772,
0.4735

 73.8606, 0.2773,
0.4970

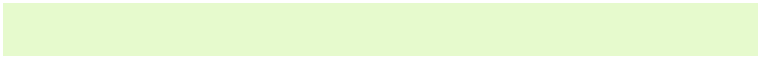
 72.9811, 0.2794,
0.5189

 72.4398, 0.2829,
0.5385

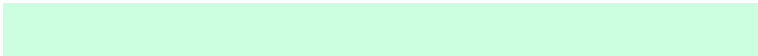
Harmonies

Analogous

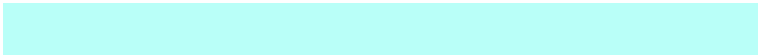
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7392, 0.3262, 0.3757



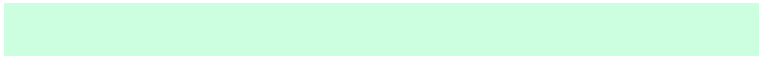
89.7392, 0.2991, 0.3622



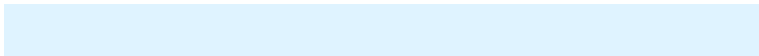
89.7392, 0.2764, 0.3387

Triad

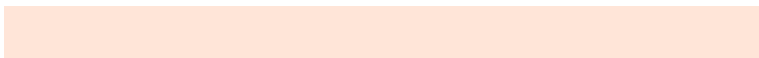
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7392, 0.2991, 0.3622



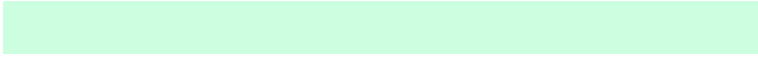
89.7392, 0.2753, 0.2847



89.7392, 0.3646, 0.3410

Complementary

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



89.7392, 0.2991, 0.3622



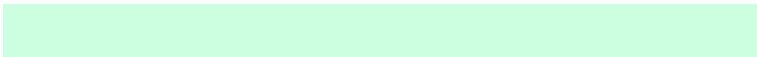
70.4256, 0.3293, 0.2980

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.



89.7392, 0.3498, 0.3183



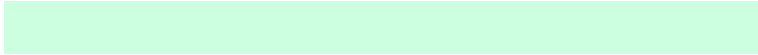
89.7392, 0.2991, 0.3622



89.7392, 0.2976, 0.2867

Square

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



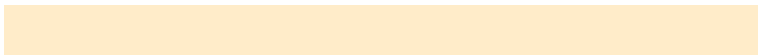
89.7392, 0.2991, 0.3622



89.7392, 0.2631, 0.2939



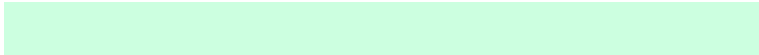
89.7392, 0.3249, 0.2989



89.7392, 0.3647, 0.3618

Rectangle

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



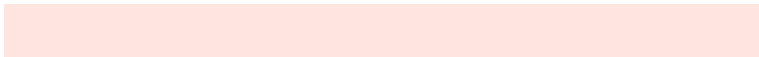
89.7392, 0.2991, 0.3622



89.7392, 0.2665, 0.3215



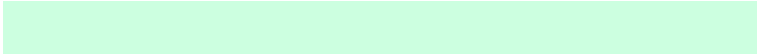
89.7392, 0.3249, 0.2989



89.7392, 0.3612, 0.3334

Sweetspot

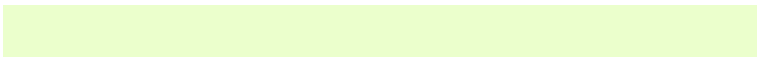
The Sweet Spot groups the original color and five complimentary colors.



89.7325, 0.2991, 0.3622



96.6282, 0.3086, 0.3381



93.6143, 0.3301, 0.3812



20.6071, 0.3081, 0.3392



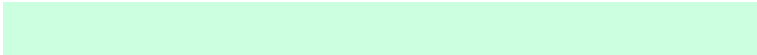
0.0000, 0.0000, 0.0000



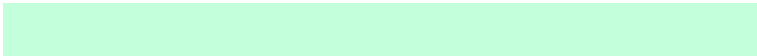
21.4041, 0.3127, 0.3290

Same Dimension

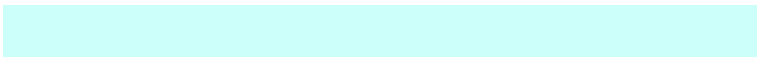
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7325, 0.2991, 0.3622



88.0142, 0.2965, 0.3697



91.1945, 0.2858, 0.3351



20.2861, 0.3062, 0.3438



37.8786, 0.2821, 0.5354



3.7088, 0.2758, 0.5127

Inverse Universe

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



70.4256, 0.3293, 0.2980



65.5244, 0.3333, 0.2916



69.0771, 0.3481, 0.3230



18.1726, 0.3199, 0.3146



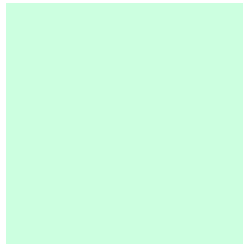
12.3759, 0.4512, 0.2259



1.2265, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 89.7392, 0.2991, 0.3622 looks on a white background.

Color Contrast Check

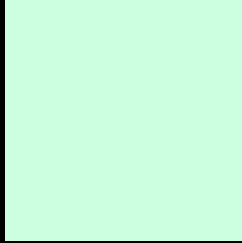
Large Text (above 18pt) WCAG AA × Fail

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 89.7392, 0.2991, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

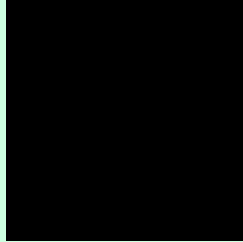
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

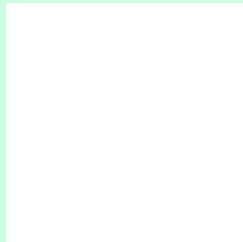
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7392, 0.2991, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 89.7392, 0.2991, 0.3622.

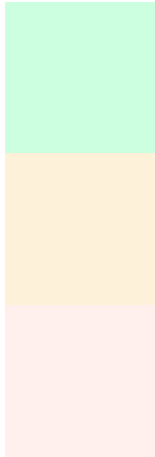


This preview shows how white text looks on a background with the Yxy color 89.7392, 0.2991, 0.3622.

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

89.7392, 0.2991, 0.3622

Protanopia

89.3967, 0.3356, 0.3539

Deuteranopia

89.1074, 0.3246, 0.3310



Tritanopia

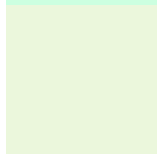
89.1828, 0.2969, 0.3189

Trichromacy



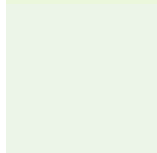
Original Color

89.7392, 0.2991, 0.3622



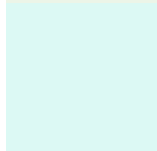
Protanomaly

89.3510, 0.3211, 0.3567



Deuteranomaly

88.9639, 0.3147, 0.3422



Tritanomaly

89.4987, 0.2976, 0.3341

Monochromacy



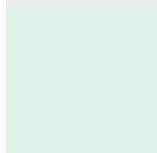
Original Color

89.7392, 0.2991, 0.3622



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7747, 0.3070, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7392, 0.2991, 0.3622 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(204, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 224)  
}
```

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(204, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 89.7392, 0.2991, 0.3622 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(204, 255, 224) }
```

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

```
.border{ border-color:rgb(204, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7392, 0.2991, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 224) }
```

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

```
.background{ background-color: rgb(204,  
255, 224) }
```

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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