

Converting Colors

$Yxy(89.0193, 0.2962, 0.3627)$

Have a look what the booklet for
Yxy(89.0193, 0.2962, 0.3627)
contains.

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Color

Yxy(89.0439, 0.2962, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFE0
RGB	199, 255, 224
RGB Percent	78%, 100%, 88%
CMY	0.2194, 0.0000, 0.1215
CMYK	0.22, 0.00, 0.12, 0.00
HSL	147°, 100%, 89%
HSV	147°, 22%, 100%
XYZ	72.7782, 89.0439, 83.8841
YIQ	234.7220, -23.4250, -21.5130

Conversions

Conversions Part 2

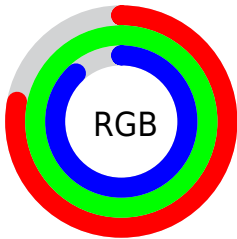
Format	Color
RYB	199, 238, 255
Decimal	13107168
CIELab	95.60, -23.60, 9.07
CIELCh	96, 25.281, 158.985
Yxy	89.0439, 0.2962, 0.3624
Android (android.graphics.Color)	4291297248 (0xFFC7FFE0)
YUV	234.7220, -5.2859, -31.3282
Hunter-Lab	94.3631, -27.4661, 13.3483

Details

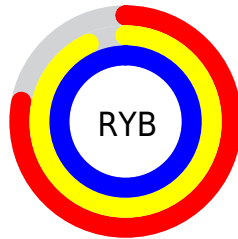
The Yxy color **89.0439, 0.2962, 0.3624** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8413, 0.3335, 0.2979**, and the grayscale version is **82.9189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1820, 0.2921, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **85.1113, 0.2893, 0.3804**, and if you desaturate by 10%, it is **93.6320, 0.3036, 0.3462**.

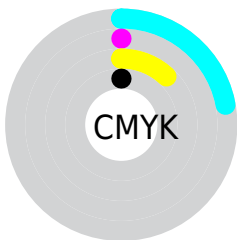
Distribution



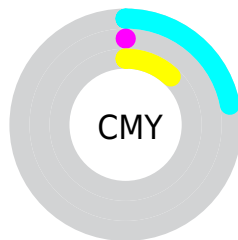
- Red (78%)
- Green (100%)
- Blue (88%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0439, 0.2962, 0.3624 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 89.0439, 0.2962, 0.3624 by changing the saturation by 10% instead.

 89.0439, 0.2962,
0.3624

 89.0439, 0.2962,
0.3624


524.9158, 0.3038,
0.3471

 67.1879, 0.2945,
0.3659


146.0096, 0.2988,
0.3571

 49.2374, 0.2924,
0.3701


181.8882, 0.2998,
0.3551

 34.8078, 0.2898,
0.3755

223.2097, 0.3007,
0.3533

 23.5149, 0.2863,
0.3824

270.3586, 0.3015,
0.3517

 14.9741, 0.2817,
0.3919

323.7192, 0.3021,
0.3504

 8.8012, 0.2751,
0.4053

383.6760, 0.3027,

 4.6118, 0.2650,

0.3492

0.4258

450.6134, 0.3033,
0.3481

■ 2.0213, 0.2478,
0.4613

■ 0.6198, 0.0193,
0.9198

■ 89.0439, 0.2962,
0.3624

■ 89.0439, 0.2962,
0.3624

■ 85.1113, 0.2893,
0.3804

■ 93.6320, 0.3036,
0.3462

■ 81.7923, 0.2832,
0.3999

■ 98.8931, 0.3112,
0.3316

■ 79.0576, 0.2782,
0.4207

■ 99.9964, 0.3127,
0.3290

■ 76.8707, 0.2747,
0.4425

■ 75.1910, 0.2729,
0.4645

■ 73.9716, 0.2732,
0.4861

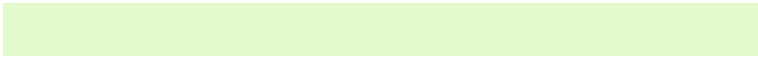
■ 73.1566, 0.2754,
0.5066

■ 72.7271, 0.2783,
0.5218

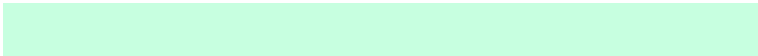
Harmonies

Analogous

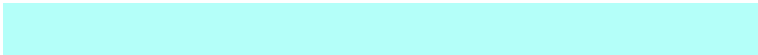
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0439, 0.3246, 0.3777



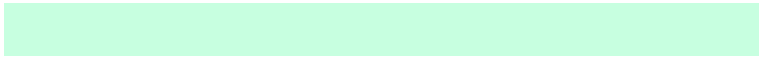
89.0439, 0.2962, 0.3624



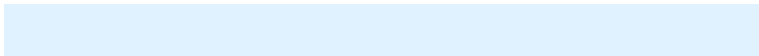
89.0439, 0.2730, 0.3370

Triad

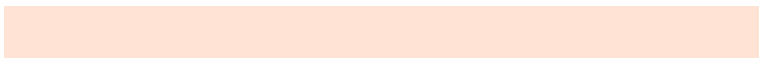
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0439, 0.2962, 0.3624



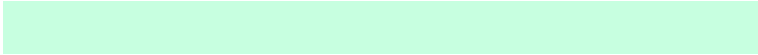
89.0439, 0.2748, 0.2821



89.0439, 0.3680, 0.3434

Complementary

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



89.0439, 0.2962, 0.3624



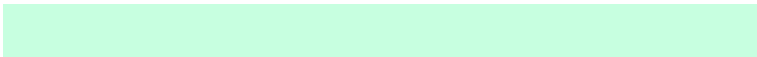
67.8413, 0.3335, 0.2979

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.



89.0439, 0.3535, 0.3195



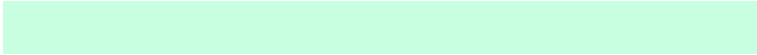
89.0439, 0.2962, 0.3624



89.0439, 0.2989, 0.2853

Square

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



89.0439, 0.2962, 0.3624



89.0439, 0.2611, 0.2908



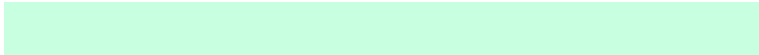
89.0439, 0.3278, 0.2987



89.0439, 0.3668, 0.3649

Rectangle

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



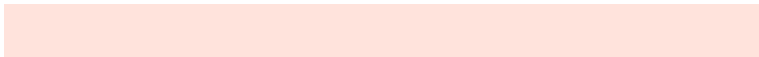
89.0439, 0.2962, 0.3624



89.0439, 0.2632, 0.3189



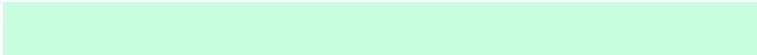
89.0439, 0.3278, 0.2987



89.0439, 0.3648, 0.3354

Sweetspot

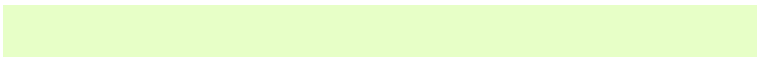
The Sweet Spot groups the original color and five complimentary colors.



89.0476, 0.2962, 0.3624



96.1501, 0.3074, 0.3388



92.5894, 0.3299, 0.3869



20.5124, 0.3069, 0.3396



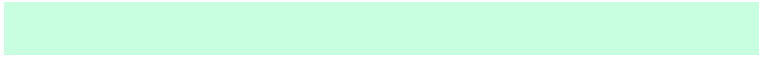
0.0000, 0.0000, 0.0000



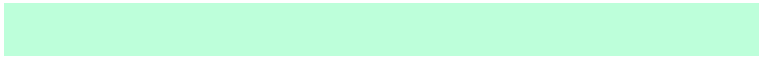
21.4041, 0.3127, 0.3290

Same Dimension

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



89.0476, 0.2962, 0.3624



87.3778, 0.2933, 0.3695



90.6465, 0.2819, 0.3328



20.3029, 0.3054, 0.3425



38.0324, 0.2774, 0.5188



3.7247, 0.2713, 0.4967

Inverse Universe

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



67.8413, 0.3335, 0.2979



62.9847, 0.3383, 0.2918



66.4280, 0.3546, 0.3253



18.1555, 0.3207, 0.3159



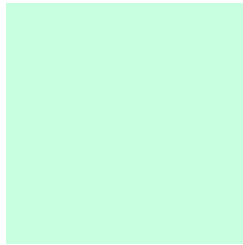
12.1470, 0.4737, 0.2383



1.2047, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 89.0439, 0.2962, 0.3624 looks on a white background.

Color Contrast Check

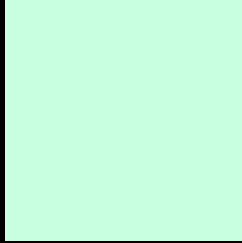
Large Text (above 18pt) WCAG AA × Fail

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 89.0439, 0.2962, 0.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

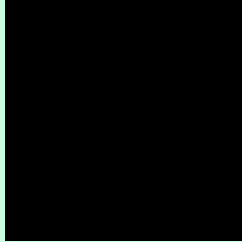
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

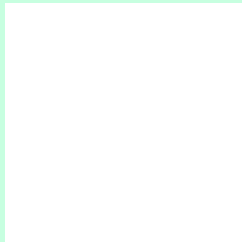
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0439, 0.2962, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 89.0439, 0.2962, 0.3624.

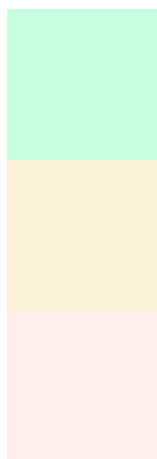


This preview shows how white text looks on a background with the Yxy color 89.0439, 0.2962, 0.3624.

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

89.0439, 0.2962, 0.3624

Protanopia

88.6158, 0.3351, 0.3530

Deuteranopia

88.4652, 0.3253, 0.3310



Tritanopia

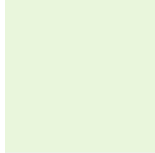
88.6936, 0.2950, 0.3189

Trichromacy



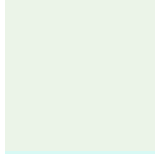
Original Color

89.0439, 0.2962, 0.3624



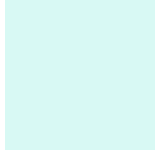
Protanomaly

88.4025, 0.3199, 0.3558



Deuteranomaly

88.1897, 0.3141, 0.3412



Tritanomaly

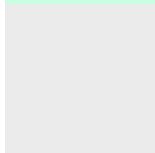
88.8819, 0.2952, 0.3341

Monochromacy



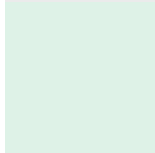
Original Color

89.0439, 0.2962, 0.3624



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8034, 0.3064, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0439, 0.2962, 0.3624 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(199, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 89.0439, 0.2962, 0.3624 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(199, 255, 224) }
```

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

```
.border{ border-color:rgb(199, 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(199, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0439, 0.2962, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 224) }
```

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

```
.background{ background-color: rgb(199,  
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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