

Converting Colors

$Y_{xy}(133.4550, 0.2993, 0.4204)$

Have a look what the booklet for
Yxy(133.4550, 0.2993, 0.4204)
contains.

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Color

Yxy(89.1580, 0.2990, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFDD
RGB	201, 255, 221
RGB Percent	79%, 100%, 87%
CMY	0.2117, 0.0000, 0.1335
CMYK	0.21, 0.00, 0.13, 0.00
HSL	142°, 100%, 89%
HSV	142°, 21%, 100%
XYZ	72.8965, 89.1580, 81.7465
YIQ	234.9780, -21.2700, -22.0220

Conversions

Conversions Part 2

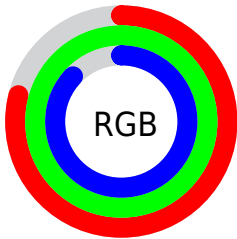
Format	Color
RYP	201, 240, 255
Decimal	13238237
CIELab	95.65, -23.56, 10.72
CIElCh	96, 25.881, 155.533
Yxy	89.1580, 0.2990, 0.3657
Android (android.graphics.Color)	4291428317 (0xFFC9FFDD)
YUV	234.9780, -6.8912, -29.7987
Hunter-Lab	94.4235, -27.4363, 14.7666

Details

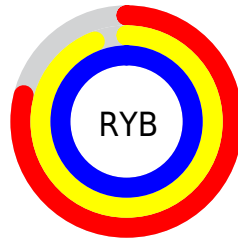
The Yxy color **89.1580, 0.2990, 0.3657** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.0400, 0.3295, 0.2950**, and the grayscale version is **83.1247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2523, 0.2956, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **85.0956, 0.2930, 0.3862**, and if you desaturate by 10%, it is **93.8884, 0.3054, 0.3472**.

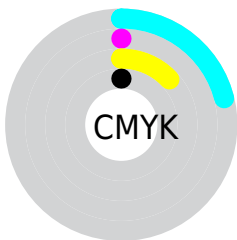
Distribution



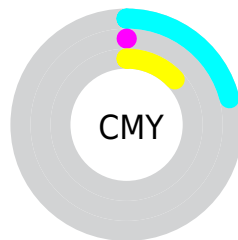
- Red (79%)
- Green (100%)
- Blue (87%)



- Red (79%)
- Yellow (94%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1580, 0.2990, 0.3657 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 89.1580, 0.2990, 0.3657 by changing the saturation by 10% instead.


 89.1580, 0.2990,
0.3657

 89.1580, 0.2990,
0.3657


525.2880, 0.3053,
0.3489

 67.2825, 0.2976,
0.3695


146.1683, 0.3012,
0.3599

 49.3142, 0.2958,
0.3742


182.0718, 0.3021,
0.3576

 34.8688, 0.2935,
0.3801


223.4202, 0.3028,
0.3557

 23.5618, 0.2905,
0.3878

270.5978, 0.3034,
0.3540

 15.0089, 0.2865,
0.3983

323.9890, 0.3040,
0.3524

 8.8256, 0.2807,
0.4131

383.9781, 0.3045,

 4.6276, 0.2717,

0.3511

0.4360

450.9497, 0.3049,
0.3499

■ 2.0305, 0.2559,
0.4755

■ 0.6251, 0.0296,
0.9704

■ 89.1580, 0.2990,
0.3657

■ 89.1580, 0.2990,
0.3657

■ 85.0956, 0.2930,
0.3862

■ 93.8884, 0.3054,
0.3472

■ 81.6710, 0.2876,
0.4085

■ 99.3170, 0.3119,
0.3308

■ 78.8501, 0.2832,
0.4323

■ 100.0000, 0.3127,
0.3290

■ 76.5959, 0.2802,
0.4570

■ 74.8671, 0.2788,
0.4818

■ 73.6167, 0.2792,
0.5057

■ 72.7882, 0.2815,
0.5277

■ 72.3323, 0.2847,
0.5449

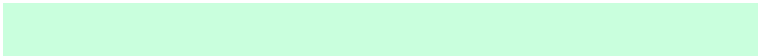
Harmonies

Analogous

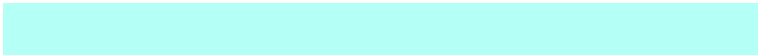
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1580, 0.3282, 0.3798



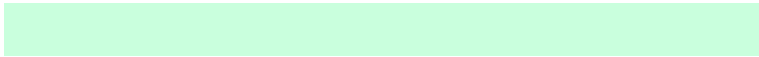
89.1580, 0.2990, 0.3657



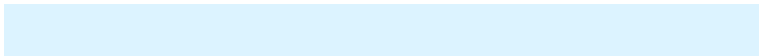
89.1580, 0.2743, 0.3404

Triad

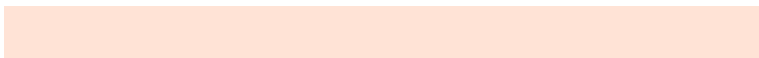
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1580, 0.2990, 0.3657



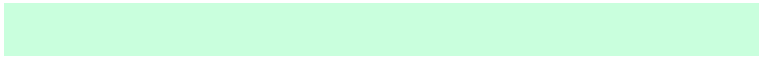
89.1580, 0.2717, 0.2815



89.1580, 0.3684, 0.3409

Complementary

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



89.1580, 0.2990, 0.3657



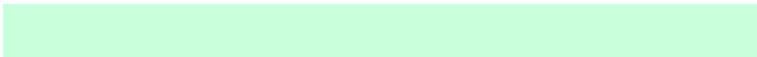
69.0400, 0.3295, 0.2950

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.



89.1580, 0.3519, 0.3166



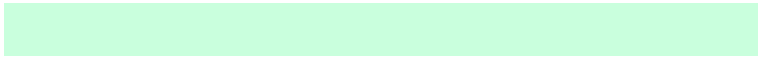
89.1580, 0.2990, 0.3657



89.1580, 0.2954, 0.2834

Square

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



89.1580, 0.2990, 0.3657



89.1580, 0.2592, 0.2917



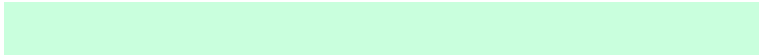
89.1580, 0.3247, 0.2960



89.1580, 0.3690, 0.3634

Rectangle

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



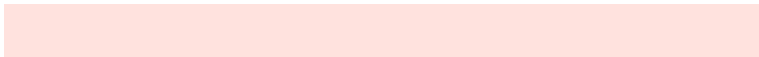
89.1580, 0.2990, 0.3657



89.1580, 0.2634, 0.3217



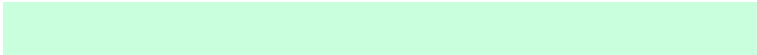
89.1580, 0.3247, 0.2960



89.1580, 0.3645, 0.3327

Sweetspot

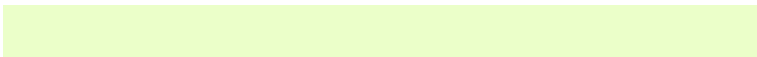
The Sweet Spot groups the original color and five complimentary colors.



89.1577, 0.2990, 0.3657



96.6070, 0.3088, 0.3385



93.4346, 0.3317, 0.3843



20.6022, 0.3084, 0.3396



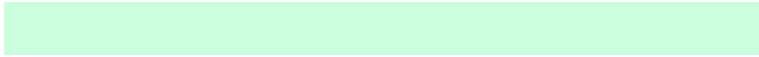
0.0000, 0.0000, 0.0000



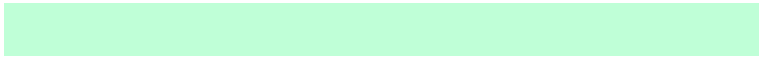
21.4041, 0.3127, 0.3290

Same Dimension

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



89.1577, 0.2990, 0.3657



87.5252, 0.2966, 0.3733



90.7042, 0.2848, 0.3365



20.2792, 0.3065, 0.3444



37.8215, 0.2839, 0.5419



3.7028, 0.2775, 0.5191

Inverse Universe

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



69.0400, 0.3295, 0.2950



64.4253, 0.3333, 0.2885



67.6035, 0.3500, 0.3217



18.1798, 0.3195, 0.3141



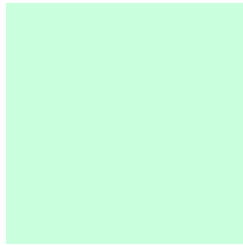
12.4789, 0.4420, 0.2209



1.2361, 0.4245, 0.2112

Previews

White Background



This preview shows how the Yxy color 89.1580, 0.2990, 0.3657 looks on a white background.

Color Contrast Check

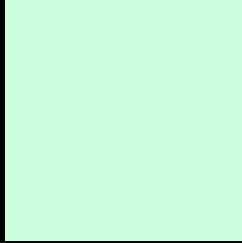
Large Text (above 18pt) WCAG AA × Fail

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 89.1580, 0.2990, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

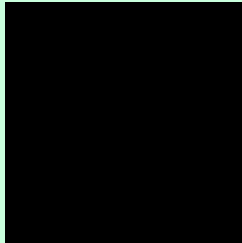
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

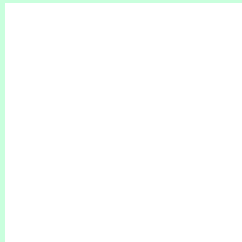
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1580, 0.2990, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 89.1580, 0.2990, 0.3657.

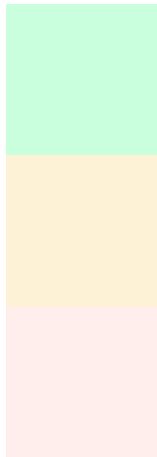


This preview shows how white text looks on a background with the Yxy color 89.1580, 0.2990, 0.3657.

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

89.1580, 0.2990, 0.3657

Protanopia

88.6483, 0.3377, 0.3560

Deuteranopia

88.4072, 0.3260, 0.3320



Tritanopia

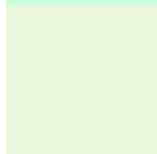
88.8557, 0.2956, 0.3189

Trichromacy



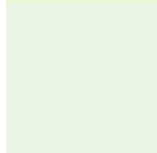
Original Color

89.1580, 0.2990, 0.3657



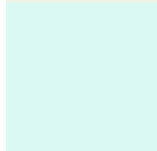
Protanomaly

88.4137, 0.3224, 0.3589



Deuteranomaly

88.0767, 0.3153, 0.3433



Tritanomaly

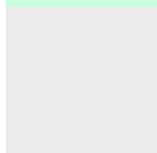
89.1279, 0.2969, 0.3352

Monochromacy



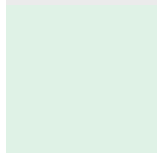
Original Color

89.1580, 0.2990, 0.3657



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9054, 0.3076, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1580, 0.2990, 0.3657 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(201, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 221)  
}
```

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(201, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 89.1580, 0.2990, 0.3657 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(201, 255, 221) }
```

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

```
.border{ border-color:rgb(201, 255, 221) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1580, 0.2990, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 221) }
```

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

```
.background{ background-color: rgb(201,  
255, 221) }
```

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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