

Converting Colors

$Yxy(89.3687, 0.3168, 0.3895)$

Have a look what the booklet for
Yxy(89.3687, 0.3168, 0.3895)
contains.

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Color

Yxy(89.3452, 0.3166, 0.3894)

Conversions

Conversions Part 1

Format	Color
Hex	D2FFC7
RGB	210, 255, 199
RGB Percent	82%, 100%, 78%
CMY	0.1766, 0.0000, 0.2196
CMYK	0.18, 0.00, 0.22, 0.00
HSL	108°, 100%, 89%
HSV	108°, 22%, 100%
XYZ	72.6417, 89.3452, 67.4563
YIQ	235.1610, -8.8440, -26.9560

Conversions

Conversions Part 2

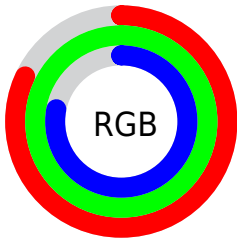
Format	Color
R_{YB}	199, 255, 244
Decimal	13828039
CIE _{Lab}	95.72, -24.43, 22.13
CIE _{LCh}	96, 32.962, 137.824
Yxy	89.3452, 0.3166, 0.3894
Android (android.graphics.Color)	4292018119 (0xFFD2FFC7)
YUV	235.1610, -17.8274, -22.0662
Hunter-Lab	94.5226, -28.2352, 23.8533

Details

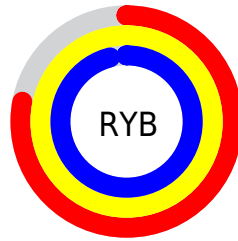
The Yxy color **89.3452, 0.3166, 0.3894** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.3137, 0.3072, 0.2728**, and the grayscale version is **83.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4011, 0.3169, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **85.4349, 0.3179, 0.4213**, and if you desaturate by 10%, it is **93.8322, 0.3150, 0.3601**.

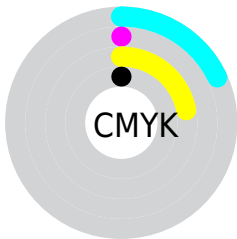
Distribution



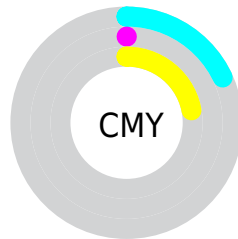
- Red (82%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3452, 0.3166, 0.3894 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 89.3452, 0.3166, 0.3894 by changing the saturation by 10% instead.


 89.3452, 0.3166,
0.3894

 89.3452, 0.3166,
0.3894


525.8985, 0.3154,
0.3615

 67.4377, 0.3167,
0.3958


146.4285, 0.3163,
0.3797

 49.4404, 0.3168,
0.4036

182.3731, 0.3162,
0.3760

 34.9690, 0.3168,
0.4135


223.7655, 0.3160,
0.3727

 23.6390, 0.3166,
0.4264

270.9901, 0.3159,
0.3699

 15.0660, 0.3160,
0.4439

324.4313, 0.3157,
0.3674

 8.8657, 0.3145,
0.4687


384.4735, 0.3156,


 4.6537, 0.3106,


0.3652

0.5064


451.5011, 0.3155,
0.3632


 2.0456, 0.3104,
0.5893


 0.6337, 0.0094,
0.9906


 89.3452, 0.3166,
0.3894


 89.3452, 0.3166,
0.3894


 85.4349, 0.3179,
0.4213


 93.8322, 0.3150,
0.3601

 82.0882, 0.3185,
0.4551

 98.9302, 0.3131,
0.3338

 79.2751, 0.3184,
0.4892

 100.0000, 0.3127,
0.3290

 76.9673, 0.3174,
0.5219

■ 75.1337, 0.3154,
0.5507

■ 73.7395, 0.3124,
0.5733

■ 72.7447, 0.3087,
0.5884

■ 72.1957, 0.3057,
0.5954

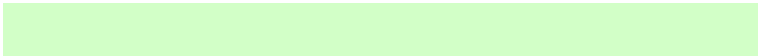
Harmonies

Analogous

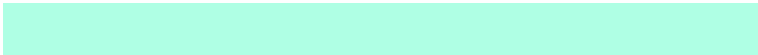
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3452, 0.3525, 0.3952



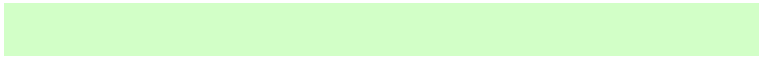
89.3452, 0.3166, 0.3894



89.3452, 0.2811, 0.3640

Triad

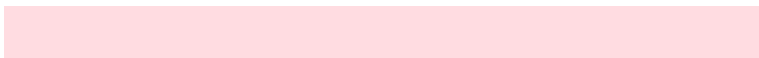
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3452, 0.3166, 0.3894



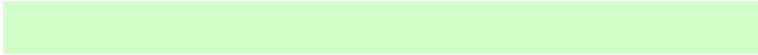
89.3452, 0.2499, 0.2746



89.3452, 0.3735, 0.3252

Complementary

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



89.3452, 0.3166, 0.3894



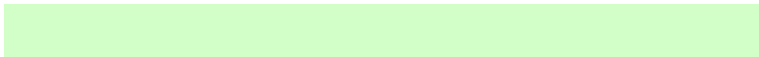
67.3137, 0.3072, 0.2728

Split Complementary

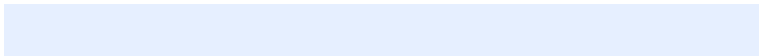
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3452, 0.3430, 0.2971



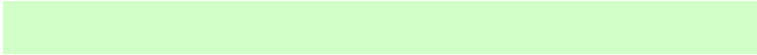
89.3452, 0.3166, 0.3894



89.3452, 0.2716, 0.2685

Square

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



89.3452, 0.3166, 0.3894



89.3452, 0.2440, 0.2956



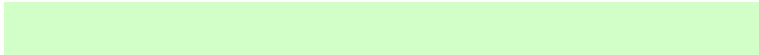
89.3452, 0.3053, 0.2769



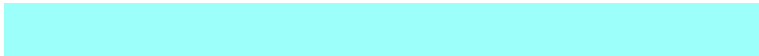
89.3452, 0.3867, 0.3556

Rectangle

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



89.3452, 0.3166, 0.3894



89.3452, 0.2622, 0.3405



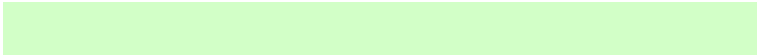
89.3452, 0.3053, 0.2769



89.3452, 0.3649, 0.3153

Sweetspot

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



89.3415, 0.3166, 0.3894



96.2813, 0.3141, 0.3467



89.9668, 0.3482, 0.3736



20.5426, 0.3142, 0.3483



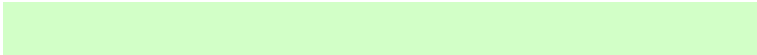
0.0000, 0.0000, 0.0000



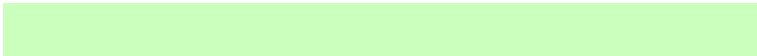
21.4041, 0.3127, 0.3290

Same Dimension

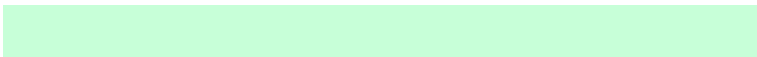
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3415, 0.3166, 0.3894



87.6925, 0.3172, 0.4020



88.6119, 0.3006, 0.3716



20.3392, 0.3145, 0.3534



37.7721, 0.3065, 0.5948



3.7203, 0.3133, 0.5894

Inverse Universe

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



67.3137, 0.3072, 0.2728



62.3678, 0.3059, 0.2621



68.2980, 0.3274, 0.2899



18.1102, 0.3106, 0.3054



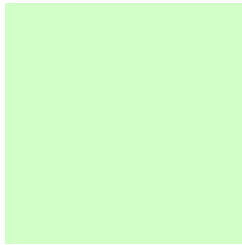
10.6250, 0.2717, 0.1270



1.0783, 0.2776, 0.1303

Previews

White Background



This preview shows how the Yxy color 89.3452, 0.3166, 0.3894 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 89.3452, 0.3166, 0.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

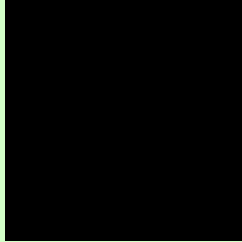
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

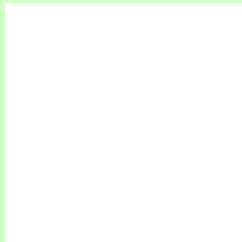
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3452, 0.3166, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 89.3452, 0.3166, 0.3894.

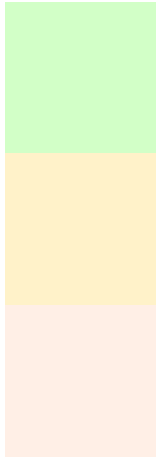


This preview shows how white text looks on a background with the Yxy color 89.3452, 0.3166, 0.3894.

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

89.3452, 0.3166, 0.3894

Protanopia

88.9813, 0.3473, 0.3699

Deuteranopia

88.7062, 0.3291, 0.3379



Tritanopia

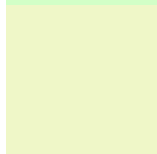
88.9103, 0.2981, 0.3179

Trichromacy



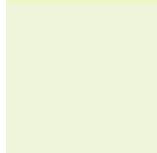
Original Color

89.3452, 0.3166, 0.3894



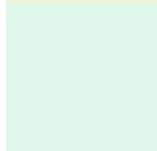
Protanomaly

89.0424, 0.3360, 0.3773



Deuteranomaly

88.7700, 0.3245, 0.3555



Tritanomaly

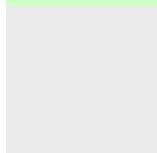
88.8209, 0.3045, 0.3424

Monochromacy



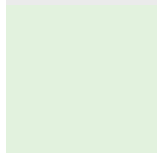
Original Color

89.3452, 0.3166, 0.3894



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9469, 0.3143, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3452, 0.3166, 0.3894 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(210, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 199)  
}
```

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(210, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 89.3452, 0.3166, 0.3894 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(210, 255, 199) }
```

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

```
.border{ border-color:rgb(210, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3452, 0.3166, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 199) }
```

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

```
.background{ background-color: rgb(210,  
255, 199) }
```

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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