

Converting Colors

$Yxy(91.9730, 0.3132, 0.3881)$

Have a look what the booklet for
Yxy(91.9730, 0.3132, 0.3881)
contains.

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Color

Yxy(89.4349, 0.3132, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFCC
RGB	209, 255, 204
RGB Percent	82%, 100%, 80%
CMY	0.1805, 0.0000, 0.2001
CMYK	0.18, 0.00, 0.20, 0.00
HSL	114°, 100%, 90%
HSV	114°, 20%, 100%
XYZ	72.9453, 89.4349, 70.5231
YIQ	235.4320, -11.0450, -25.6130

Conversions

Conversions Part 2

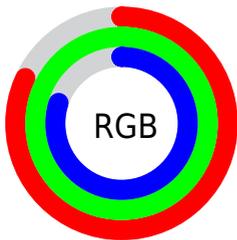
Format	Color
RYB	204, 255, 250
Decimal	13762508
CIELab	95.76, -23.95, 19.65
CIElCh	96, 30.981, 140.636
Yxy	89.4349, 0.3132, 0.3840
Android (android.graphics.Color)	4291952588 (0xFFD1FFCC)
YUV	235.4320, -15.4960, -23.1809
Hunter-Lab	94.5700, -27.8139, 21.9850

Details

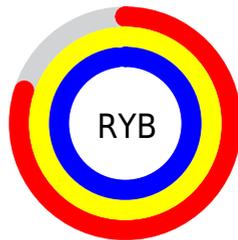
The Yxy color **89.4349, 0.3132, 0.3840** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7125, 0.3114, 0.2786**, and the grayscale version is **83.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4602, 0.3126, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **85.1899, 0.3131, 0.4162**, and if you desaturate by 10%, it is **94.3548, 0.3131, 0.3549**.

Distribution



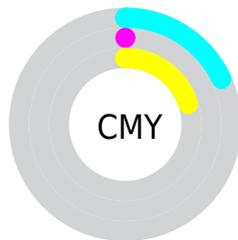
- Red (82%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4349, 0.3132, 0.3840 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 89.4349, 0.3132, 0.3840 by changing the saturation by 10% instead.

 89.4349, 0.3132,
0.3840

 89.4349, 0.3132,
0.3840

526.1909, 0.3134,
0.3586

 67.5120, 0.3130,
0.3898

146.5532, 0.3134,
0.3752

 49.5009, 0.3128,
0.3969

182.5174, 0.3134,
0.3718

 35.0170, 0.3124,
0.4059

223.9309, 0.3134,
0.3688

 23.6759, 0.3117,
0.4176

271.1780, 0.3135,
0.3663

 15.0934, 0.3105,
0.4335

324.6432, 0.3135,
0.3640

 8.8850, 0.3084,
0.4561

384.7108, 0.3135,

 4.6662, 0.3039,

0.3620

0.4907

451.7652, 0.3135,
0.3602

■ 2.0528, 0.2982,
0.5586

■ 0.6379, 0.0327,
0.9673

■ 89.4349, 0.3132,
0.3840

■ 89.4349, 0.3132,
0.3840

■ 85.1899, 0.3131,
0.4162

■ 94.3548, 0.3131,
0.3549

■ 81.6038, 0.3126,
0.4506

99.9924, 0.3127,
0.3290

■ 78.6390, 0.3116,
0.4859

100.0000, 0.3127,
0.3290

■ 76.2600, 0.3102,
0.5201

■ 74.4278, 0.3084,
0.5504

■ 73.0983, 0.3062,
0.5745

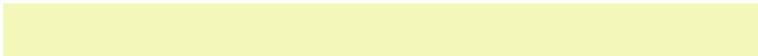
■ 72.2207, 0.3038,
0.5905

■ 71.7271, 0.3018,
0.5986

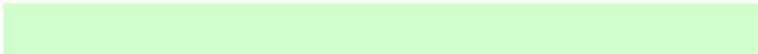
Harmonies

Analogous

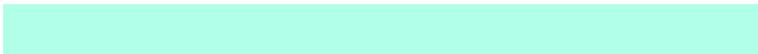
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4349, 0.3473, 0.3914



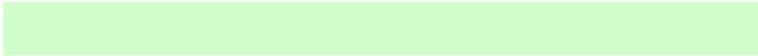
89.4349, 0.3132, 0.3840



89.4349, 0.2802, 0.3589

Triad

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



89.4349, 0.3132, 0.3840



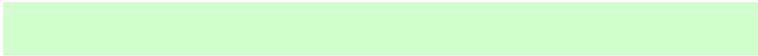
89.4349, 0.2548, 0.2767



89.4349, 0.3718, 0.3282

Complementary

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



89.4349, 0.3132, 0.3840



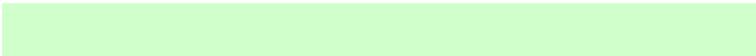
70.7125, 0.3114, 0.2786

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.



89.4349, 0.3444, 0.3012



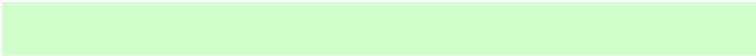
89.4349, 0.3132, 0.3840



89.4349, 0.2767, 0.2721

Square

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



89.4349, 0.3132, 0.3840



89.4349, 0.2477, 0.2953



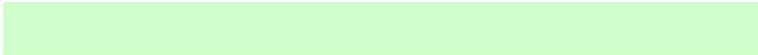
89.4349, 0.3091, 0.2812



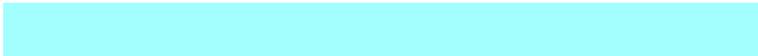
89.4349, 0.3823, 0.3568

Rectangle

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



89.4349, 0.3132, 0.3840



89.4349, 0.2631, 0.3367



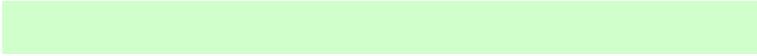
89.4349, 0.3091, 0.2812



89.4349, 0.3641, 0.3188

Sweetspot

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



89.4302, 0.3132, 0.3840



96.5298, 0.3129, 0.3441



93.9252, 0.3439, 0.3744



20.5839, 0.3130, 0.3458



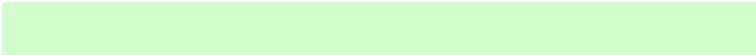
0.0000, 0.0000, 0.0000



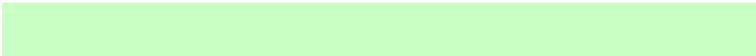
21.4041, 0.3127, 0.3290

Same Dimension

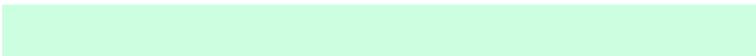
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4302, 0.3132, 0.3840



87.6590, 0.3132, 0.3965



89.7553, 0.2989, 0.3617



20.2534, 0.3130, 0.3535



37.5069, 0.3022, 0.5982



3.6790, 0.3067, 0.5947

Inverse Universe

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



70.7125, 0.3114, 0.2786



65.8528, 0.3110, 0.2682



70.4047, 0.3296, 0.2984



18.2044, 0.3122, 0.3055



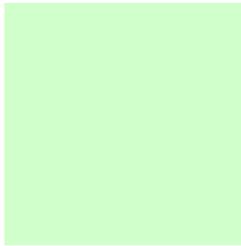
12.5970, 0.2963, 0.1406



1.2517, 0.2992, 0.1422

Previews

White Background



This preview shows how the Yxy color 89.4349, 0.3132, 0.3840 looks on a white background.

Color Contrast Check

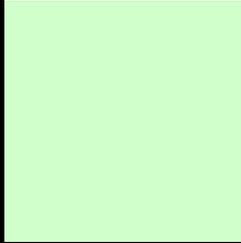
Large Text (above 18pt) WCAG AA × Fail

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 89.4349, 0.3132, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

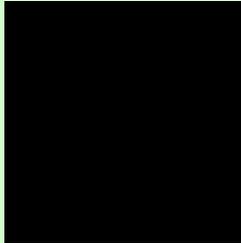
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4349, 0.3132, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 89.4349, 0.3132, 0.3840.

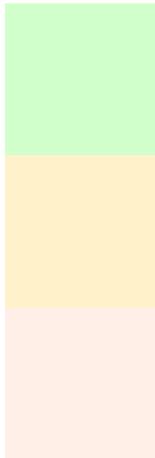


This preview shows how white text looks on a background with the Yxy color 89.4349, 0.3132, 0.3840.

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

89.4349, 0.3132, 0.3840

Protanopia

89.0761, 0.3460, 0.3679

Deuteranopia

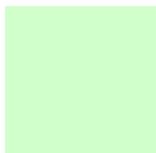
88.7625, 0.3284, 0.3369



Tritanopia

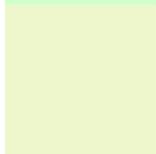
88.9103, 0.2981, 0.3179

Trichromacy



Original Color

89.4349, 0.3132, 0.3840



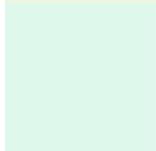
Protanomaly

89.0105, 0.3335, 0.3743



Deuteranomaly

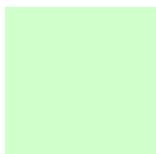
88.7024, 0.3227, 0.3535



Tritanomaly

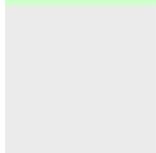
88.8789, 0.3040, 0.3414

Monochromacy



Original Color

89.4349, 0.3132, 0.3840



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0548, 0.3131, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4349, 0.3132, 0.3840 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(209, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 204)  
}
```

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(209, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 89.4349, 0.3132, 0.3840 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(209, 255, 204) }
```

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

```
.border{ border-color:rgb(209, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
204) }
```

Background

The CSS property to change the background color of an element to Yxy 89.4349, 0.3132, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 204) }
```

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

```
.background{ background-color: rgb(209,  
255, 204) }
```

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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