

Converting Colors

$Yxy(89.6507, 0.3123, 0.3675)$

Have a look what the booklet for
Yxy(89.6507, 0.3123, 0.3675)
contains.

Yxy(89.4841, 0.3122, 0.3670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.4841, 0.3122, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	DAFCD8
RGB	218, 252, 216
RGB Percent	85%, 99%, 85%
CMY	0.1450, 0.0118, 0.1530
CMYK	0.13, 0.00, 0.14, 0.01
HSL	117°, 86%, 92%
HSV	117°, 14%, 99%
XYZ	76.1224, 89.4841, 78.2193
YIQ	237.7300, -8.7080, -18.4040

Conversions

Conversions Part 2

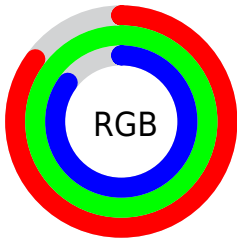
Format	Color
R _Y B	216, 252, 250
Decimal	14351576
CIE _{Lab}	95.78, -17.49, 13.61
CIE _{LCh}	96, 22.159, 142.117
Y _{xy}	89.4841, 0.3122, 0.3670
Android (android.graphics.Color)	4292541656 (0xFFDAFCD8)
YUV	237.7300, -10.7129, -17.3032
Hunter-Lab	94.5960, -21.9022, 17.1917

Details

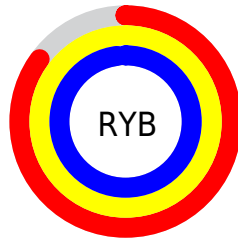
The Yxy color **89.4841, 0.3122, 0.3670** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4546, 0.3129, 0.2934**, and the grayscale version is **85.3746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3900, 0.3121, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **84.8756, 0.3116, 0.3977**, and if you desaturate by 10%, it is **94.8260, 0.3126, 0.3397**.

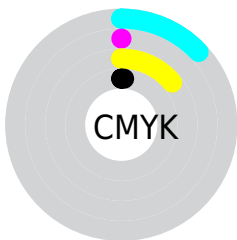
Distribution



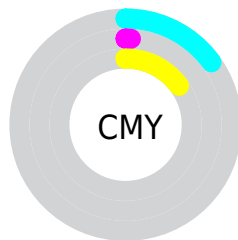
- Red (85%)
- Green (99%)
- Blue (85%)



- Red (85%)
- Yellow (99%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (15%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4841, 0.3122, 0.3670 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 89.4841, 0.3122, 0.3670 by changing the saturation by 10% instead.

 89.4841, 0.3122,
0.3670

 89.4841, 0.3122,
0.3670

526.3512, 0.3127,
0.3496

 67.5528, 0.3120,
0.3709


146.6216, 0.3124,
0.3610

 49.5340, 0.3118,
0.3758


182.5966, 0.3125,
0.3587

 35.0433, 0.3115,
0.3818


224.0216, 0.3125,
0.3566

 23.6962, 0.3111,
0.3897

271.2811, 0.3126,
0.3549

 15.1084, 0.3104,
0.4003

324.7594, 0.3126,
0.3533

 8.8955, 0.3091,
0.4154

384.8409, 0.3126,

 4.6731, 0.3068,

0.3519

451.9101, 0.3126,
0.3507

0.4385

2.0568, 0.3014,
0.4777

0.6401, 0.2209,
0.7791

89.4841, 0.3122,
0.3670

89.4841, 0.3122,
0.3670

84.8756, 0.3116,
0.3977

94.8260, 0.3126,
0.3397

80.9577, 0.3107,
0.4313

98.1014, 0.3128,
0.3262

77.7006, 0.3096,
0.4667

75.0679, 0.3082,
0.5022

■ 73.0194, 0.3066,
0.5353

■ 71.5107, 0.3048,
0.5634

■ 70.4906, 0.3030,
0.5839

■ 69.8982, 0.3014,
0.5958

■ 69.7165, 0.3008,
0.5993

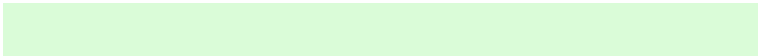
Harmonies

Analogous

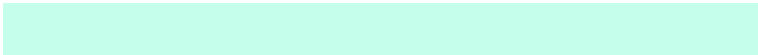
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4841, 0.3367, 0.3733



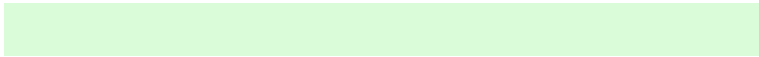
89.4841, 0.3122, 0.3670



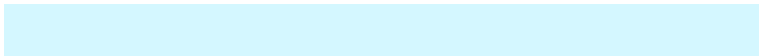
89.4841, 0.2885, 0.3491

Triad

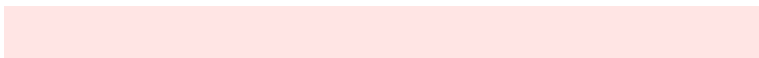
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4841, 0.3122, 0.3670



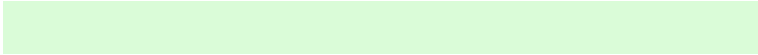
89.4841, 0.2713, 0.2909



89.4841, 0.3554, 0.3300

Complementary

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



89.4841, 0.3122, 0.3670



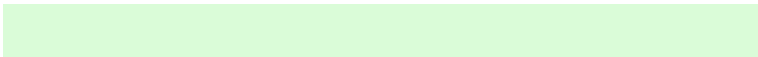
76.4546, 0.3129, 0.2934

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.



89.4841, 0.3366, 0.3098



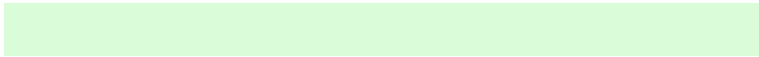
89.4841, 0.3122, 0.3670



89.4841, 0.2879, 0.2877

Square

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



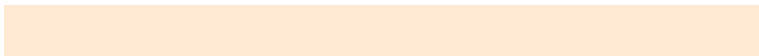
89.4841, 0.3122, 0.3670



89.4841, 0.2655, 0.3044



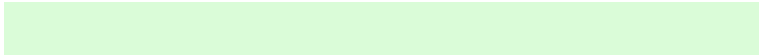
89.4841, 0.3117, 0.2946



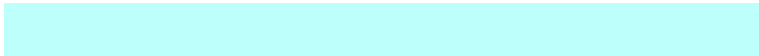
89.4841, 0.3623, 0.3507

Rectangle

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



89.4841, 0.3122, 0.3670



89.4841, 0.2762, 0.3336



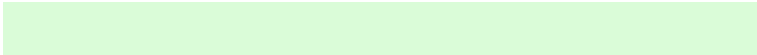
89.4841, 0.3117, 0.2946



89.4841, 0.3503, 0.3230

Sweetspot

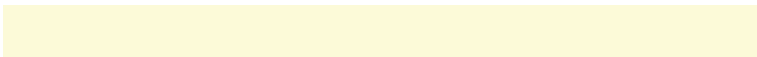
The Sweet Spot groups the original color and five complimentary colors.



89.4879, 0.3122, 0.3670



97.5804, 0.3126, 0.3389



93.7762, 0.3345, 0.3622



20.7918, 0.3126, 0.3409



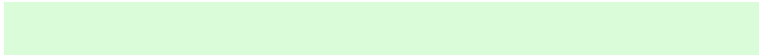
0.0000, 0.0000, 0.0000



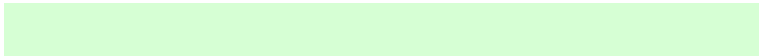
21.4041, 0.3127, 0.3290

Same Dimension

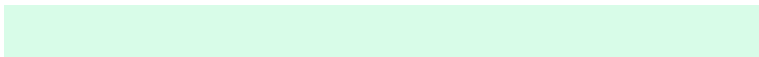
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4879, 0.3122, 0.3670



90.5663, 0.3121, 0.3750



90.0224, 0.3021, 0.3503



19.3559, 0.3124, 0.3535



36.3350, 0.3012, 0.5991



3.3812, 0.3041, 0.5968

Inverse Universe

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



76.4546, 0.3129, 0.2934



74.9313, 0.3130, 0.2865



75.8827, 0.3249, 0.3086



17.4718, 0.3129, 0.3056



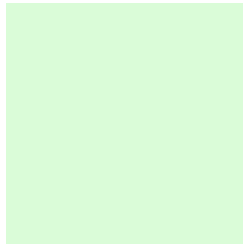
13.1327, 0.3068, 0.1464



1.2311, 0.3086, 0.1474

Previews

White Background



This preview shows how the Yxy color 89.4841, 0.3122, 0.3670 looks on a white background.

Color Contrast Check

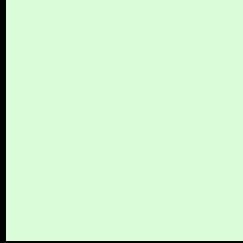
Large Text (above 18pt) WCAG AA × Fail

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 89.4841, 0.3122, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

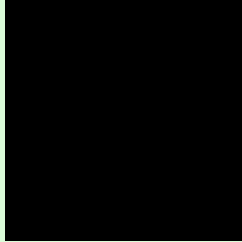
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

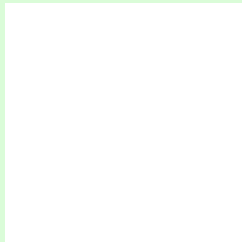
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4841, 0.3122, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 89.4841, 0.3122, 0.3670.

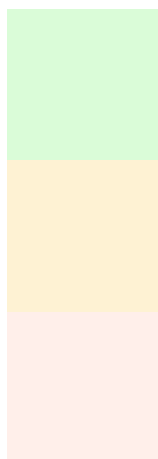


This preview shows how white text looks on a background with the Yxy color 89.4841, 0.3122, 0.3670.

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

89.4841, 0.3122, 0.3670

Protanopia

89.2782, 0.3402, 0.3599

Deuteranopia

88.9335, 0.3265, 0.3339



Tritanopia

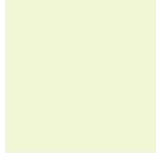
89.4138, 0.2999, 0.3180

Trichromacy



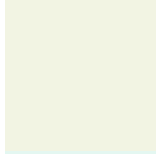
Original Color

89.4841, 0.3122, 0.3670



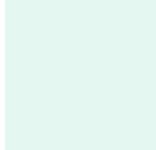
Protanomaly

89.4164, 0.3295, 0.3626



Deuteranomaly

89.1247, 0.3217, 0.3462



Tritanomaly

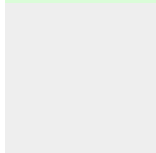
89.3664, 0.3042, 0.3351

Monochromacy



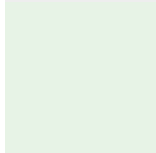
Original Color

89.4841, 0.3122, 0.3670



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.8033, 0.3127, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4841, 0.3122, 0.3670 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(218, 252, 216)` looks like.

```
.text, #text, p{  
    color:rgb(218, 252, 216)  
}
```

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(218, 252, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 252, 216) }
```

Border

The CSS property to change the border of an element to Yxy 89.4841, 0.3122, 0.3670 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(218, 252, 216) }
```

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

```
.border{ border-color:rgb(218, 252, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 252, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 252, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 252, 216);  
box-shadow:4px 4px 4px 4px rgb(218, 252,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4841, 0.3122, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 252, 216) }
```

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

```
.background{ background-color: rgb(218,  
252, 216) }
```

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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