

Converting Colors

$Y_{xy}(144.4694, 0.3174, 0.4567)$

Have a look what the booklet for
Yxy(144.4694, 0.3174, 0.4567)
contains.

Yxy(89.6848, 0.3249, 0.3987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6848, 0.3249, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFBE
RGB	215, 255, 190
RGB Percent	84%, 100%, 75%
CMY	0.1568, 0.0000, 0.2549
CMYK	0.16, 0.00, 0.25, 0.00
HSL	97°, 100%, 87%
HSV	97°, 25%, 100%
XYZ	73.0840, 89.6848, 62.1743
YIQ	235.6300, -2.9750, -28.6950

Conversions

Conversions Part 2

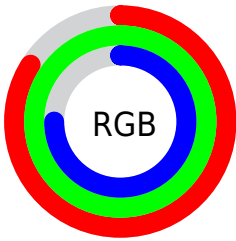
Format	Color
RYB	190, 255, 230
Decimal	14155710
CIELab	95.87, -24.11, 26.95
CIELCh	96, 36.159, 131.821
Yxy	89.6848, 0.3249, 0.3987
Android (android.graphics.Color)	4292345790 (0xFFD7FFBE)
YUV	235.6300, -22.4956, -18.0925
Hunter-Lab	94.7021, -27.9756, 27.3661

Details

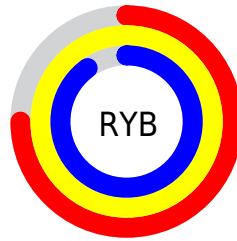
The Yxy color **89.6848, 0.3249, 0.3987** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.8671, 0.2969, 0.2616**, and the grayscale version is **83.7655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **49.6393, 0.3273, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **86.4075, 0.3289, 0.4297**, and if you desaturate by 10%, it is **93.3925, 0.3203, 0.3695**.

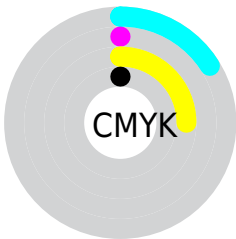
Distribution



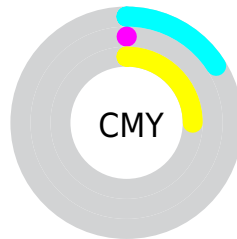
- Red (84%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6848, 0.3249, 0.3987 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 89.6848, 0.3249, 0.3987 by changing the saturation by 10% instead.

 89.6848, 0.3249,
0.3987

 89.6848, 0.3249,
0.3987


527.0050, 0.3202,
0.3665

 67.7192, 0.3258,
0.4060

 146.9005, 0.3234,
0.3875

 49.6694, 0.3267,
0.4150


182.9194, 0.3228,
0.3832

 35.1508, 0.3277,
0.4264


224.3916, 0.3223,
0.3795

 23.7790, 0.3288,
0.4411

271.7014, 0.3218,
0.3762

 15.1698, 0.3296,
0.4609

325.2333, 0.3213,
0.3733

 8.9386, 0.3298,
0.4887


385.3715, 0.3209,


 4.7012, 0.3277,


0.3708


0.5302


452.5007, 0.3205,
0.3685


 2.0730, 0.3444,
0.6467


 0.6494, 0.0422,
0.9578


 89.6848, 0.3249,
0.3987


 89.6848, 0.3249,
0.3987


 86.4075, 0.3289,
0.4297


 93.3925, 0.3203,
0.3695

 83.5325, 0.3320,
0.4615

 97.5346, 0.3154,
0.3427

 81.0458, 0.3339,
0.4927

 99.9999, 0.3127,
0.3290

 78.9284, 0.3340,
0.5218

■ 77.1588, 0.3323,
0.5468

■ 75.7133, 0.3288,
0.5662

■ 74.5634, 0.3237,
0.5790

■ 74.1261, 0.3211,
0.5832

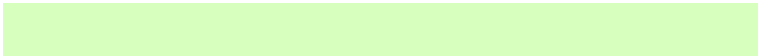
Harmonies

Analogous

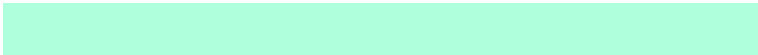
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6848, 0.3629, 0.4000



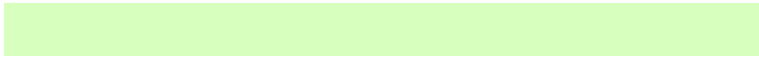
89.6848, 0.3249, 0.3987



89.6848, 0.2852, 0.3745

Triad

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



89.6848, 0.3249, 0.3987



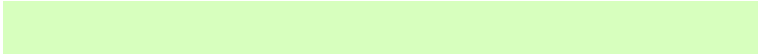
89.6848, 0.2415, 0.2728



89.6848, 0.3739, 0.3181

Complementary

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



89.6848, 0.3249, 0.3987



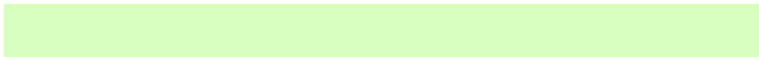
60.8671, 0.2969, 0.2616

Split Complementary

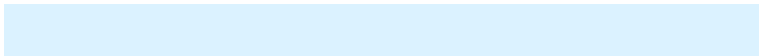
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6848, 0.3377, 0.2890



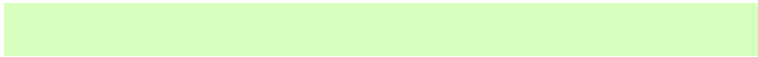
89.6848, 0.3249, 0.3987



89.6848, 0.2618, 0.2632

Square

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



89.6848, 0.3249, 0.3987



89.6848, 0.2387, 0.2985



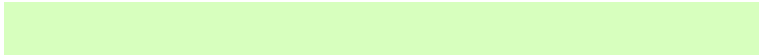
89.6848, 0.2964, 0.2694



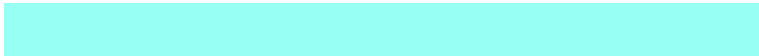
89.6848, 0.3928, 0.3511

Rectangle

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



89.6848, 0.3249, 0.3987



89.6848, 0.2630, 0.3496



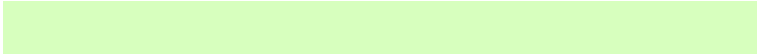
89.6848, 0.2964, 0.2694



89.6848, 0.3633, 0.3077

Sweetspot

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



89.6887, 0.3249, 0.3987



96.4527, 0.3167, 0.3492



81.0169, 0.3574, 0.3686



20.5090, 0.3174, 0.3532



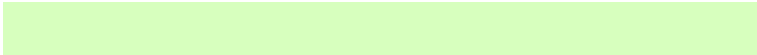
0.0000, 0.0000, 0.0000



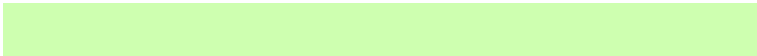
21.4041, 0.3127, 0.3290

Same Dimension

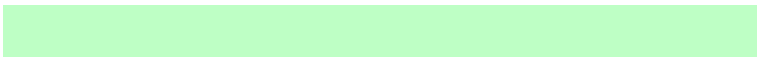
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6887, 0.3249, 0.3987



87.8293, 0.3272, 0.4156



86.4758, 0.3058, 0.3945



20.5090, 0.3174, 0.3532



38.8119, 0.3223, 0.5823



3.8396, 0.3310, 0.5754

Inverse Universe

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



60.8671, 0.2969, 0.2616



54.1891, 0.2926, 0.2459



64.8964, 0.3205, 0.2712



17.9308, 0.3076, 0.3051



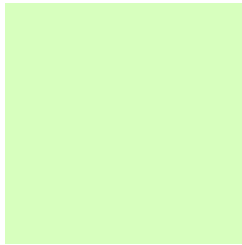
7.5977, 0.2263, 0.1020



0.8027, 0.2369, 0.1079

Previews

White Background



This preview shows how the Yxy color 89.6848, 0.3249, 0.3987 looks on a white background.

Color Contrast Check

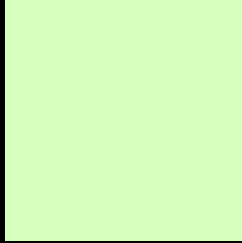
Large Text (above 18pt) WCAG AA × Fail

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 89.6848, 0.3249, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

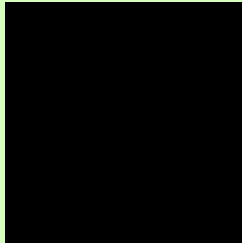
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

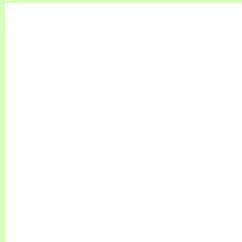
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6848, 0.3249, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 89.6848, 0.3249, 0.3987.

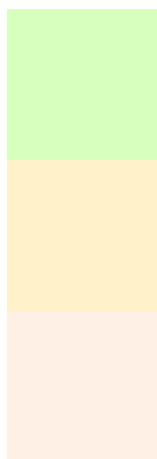


This preview shows how white text looks on a background with the Yxy color 89.6848, 0.3249, 0.3987.

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

89.6848, 0.3249, 0.3987

Protanopia

89.0285, 0.3466, 0.3689

Deuteranopia

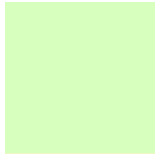
89.2933, 0.3290, 0.3389



Tritanopia

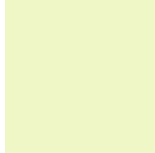
89.4138, 0.2999, 0.3180

Trichromacy



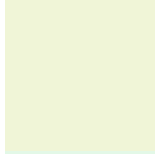
Original Color

89.6848, 0.3249, 0.3987



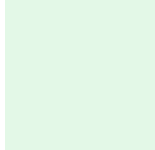
Protanomaly

89.1240, 0.3379, 0.3793



Deuteranomaly

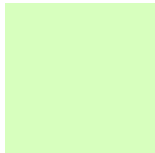
88.7364, 0.3277, 0.3596



Tritanomaly

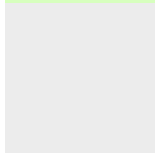
89.2352, 0.3094, 0.3465

Monochromacy



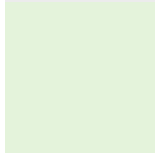
Original Color

89.6848, 0.3249, 0.3987



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7096, 0.3174, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6848, 0.3249, 0.3987 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(215, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 190)  
}
```

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(215, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 89.6848, 0.3249, 0.3987 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(215, 255, 190) }
```

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

```
.border{ border-color:rgb(215, 255, 190) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6848, 0.3249, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 190) }
```

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

```
.background{ background-color: rgb(215,  
255, 190) }
```

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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