

Converting Colors

Yxy(82.8301, 0.3399, 0.4298)

Have a look what the booklet for
Yxy(82.8301, 0.3399, 0.4298)
contains.

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Color

Yxy(82.9790, 0.3401, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	D0F89D
RGB	208, 248, 157
RGB Percent	82%, 97%, 62%
CMY	0.1841, 0.0275, 0.3843
CMYK	0.16, 0.00, 0.37, 0.03
HSL	86°, 87%, 79%
HSV	86°, 37%, 97%
XYZ	65.6764, 82.9790, 44.4537
YIQ	225.6660, 5.3710, -36.7810

Conversions

Conversions Part 2

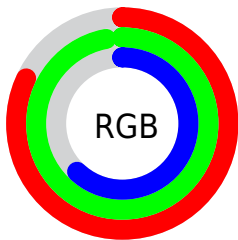
Format	Color
RYB	157, 248, 197
Decimal	13695133
CIELab	93.01, -27.81, 39.57
CIELCh	93, 48.366, 125.101
Yxy	82.9790, 0.3401, 0.4297
Android (android.graphics.Color)	4291885213 (0xFFD0F89D)
YUV	225.6660, -33.8523, -15.4931
Hunter-Lab	91.0928, -30.7168, 34.8312

Details

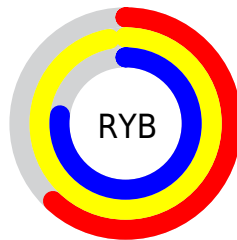
The Yxy color **82.9790, 0.3401, 0.4297** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.7550, 0.2751, 0.2261**, and the grayscale version is **76.0540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **44.9365, 0.3443, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **80.6950, 0.3460, 0.4591**, and if you desaturate by 10%, it is **85.5505, 0.3332, 0.4004**.

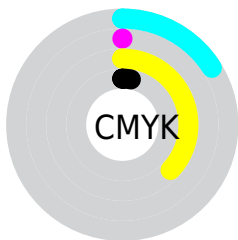
Distribution



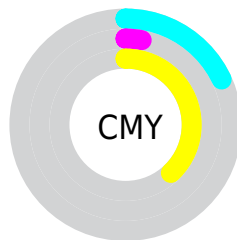
- Red (82%)
- Green (97%)
- Blue (62%)



- Red (62%)
- Yellow (97%)
- Blue (77%)



- Cyan (16%)
- Magenta (0%)
- Yellow (37%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9790, 0.3401, 0.4297 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 82.9790, 0.3401, 0.4297 by changing the saturation by 10% instead.

 82.9790, 0.3401,
0.4297

 82.9790, 0.3401,
0.4297


504.9165, 0.3293,
0.3824

 62.1728, 0.3421,
0.4405


 137.5460, 0.3367,
0.4133

 45.1724, 0.3442,
0.4538


 172.0757, 0.3353,
0.4069

 31.5932, 0.3464,
0.4706


211.9487, 0.3340,
0.4014

 21.0510, 0.3485,
0.4922

257.5493, 0.3329,
0.3966

 13.1613, 0.3498,
0.5209

309.2620, 0.3319,
0.3924

 7.5397, 0.3484,
0.5599


367.4712, 0.3309,


 3.8019, 0.3555,


0.3887


0.6434


432.5612, 0.3300,
0.3854


 1.5633, 0.3061,
0.6939


 0.3327, 0.0000,
1.0000


 82.9790, 0.3401,
0.4297


 82.9790, 0.3401,
0.4297

 80.6950, 0.3460,
0.4591


 85.5505, 0.3332,
0.4004


 78.6750, 0.3503,
0.4873

 88.4102, 0.3257,
0.3722

 76.9088, 0.3526,
0.5129

 91.5728, 0.3179,
0.3456

 75.3809, 0.3527,
0.5345

 94.9709, 0.3109,
0.3223

■ 74.0735, 0.3503,
0.5510

■ 95.6108, 0.3130,
0.3223

■ 72.9648, 0.3458,
0.5621

■ 72.6312, 0.3441,
0.5650

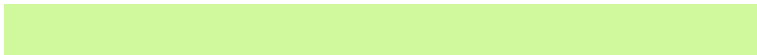
Harmonies

Analogous

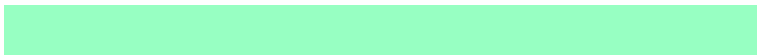
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9790, 0.3897, 0.4215



82.9790, 0.3401, 0.4297



82.9790, 0.2856, 0.4032

Triad

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



82.9790, 0.3401, 0.4297



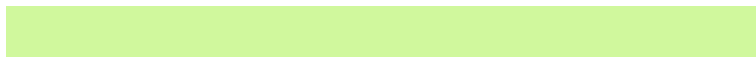
82.9790, 0.2147, 0.2580



82.9790, 0.3872, 0.3040

Complementary

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



82.9790, 0.3401, 0.4297



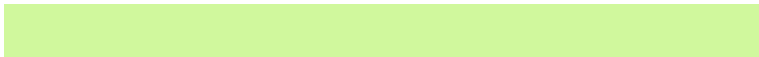
42.7550, 0.2751, 0.2261

Split Complementary

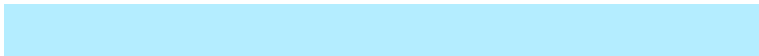
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9790, 0.3335, 0.2685



82.9790, 0.3401, 0.4297



82.9790, 0.2362, 0.2418

Square

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



82.9790, 0.3401, 0.4297



82.9790, 0.2161, 0.2961



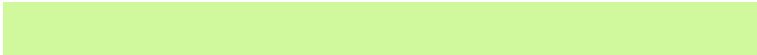
82.9790, 0.2781, 0.2462



82.9790, 0.4199, 0.3466

Rectangle

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



82.9790, 0.3401, 0.4297



82.9790, 0.2539, 0.3696



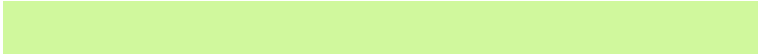
82.9790, 0.2781, 0.2462



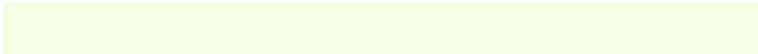
82.9790, 0.3707, 0.2910

Sweetspot

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



82.9826, 0.3401, 0.4297



96.0623, 0.3213, 0.3569



62.0650, 0.3866, 0.3713



20.4634, 0.3223, 0.3605



0.0000, 0.0000, 0.0000



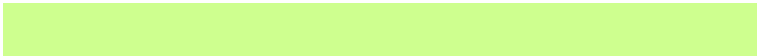
21.4041, 0.3127, 0.3290

Same Dimension

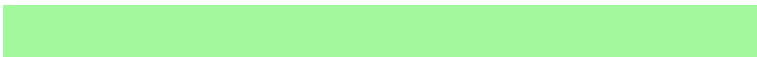
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9826, 0.3401, 0.4297



86.5829, 0.3445, 0.4514



77.3591, 0.3111, 0.4394



19.7895, 0.3201, 0.3529



39.3223, 0.3452, 0.5641



3.7047, 0.3536, 0.5574

Inverse Universe

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



42.7550, 0.2751, 0.2261



38.0182, 0.2653, 0.2034



49.7565, 0.3119, 0.2366



17.0157, 0.3048, 0.3050



5.4925, 0.1909, 0.0825



0.5703, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 82.9790, 0.3401, 0.4297 looks on a white background.

Color Contrast Check

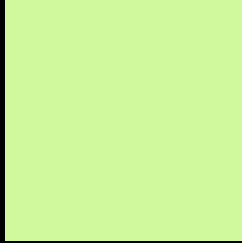
Large Text (above 18pt) WCAG AA × Fail

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 82.9790, 0.3401, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

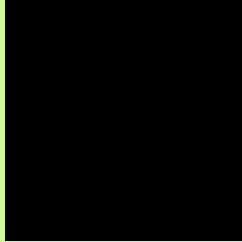
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9790, 0.3401, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 82.9790, 0.3401, 0.4297.

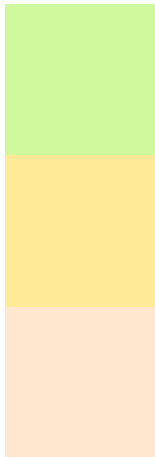


This preview shows how white text looks on a background with the Yxy color 82.9790, 0.3401, 0.4297.

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

82.9790, 0.3401, 0.4297

Protanopia

82.3726, 0.3811, 0.4113

Deuteranopia

82.3586, 0.3456, 0.3522



Tritanopia

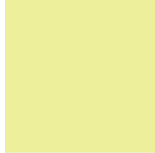
82.7405, 0.2924, 0.3095

Trichromacy



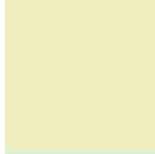
Original Color

82.9790, 0.3401, 0.4297



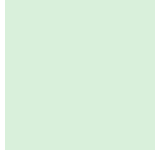
Protanomaly

82.2432, 0.3655, 0.4178



Deuteranomaly

82.4196, 0.3440, 0.3794



Tritanomaly

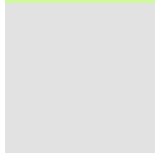
82.1864, 0.3104, 0.3515

Monochromacy



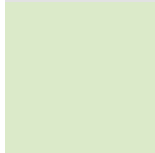
Original Color

82.9790, 0.3401, 0.4297



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.1228, 0.3233, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9790, 0.3401, 0.4297 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(208, 248, 157)` looks like.

```
.text, #text, p{  
    color:rgb(208, 248, 157)  
}
```

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(208, 248, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 248, 157) }
```

Border

The CSS property to change the border of an element to Yxy 82.9790, 0.3401, 0.4297 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(208, 248, 157) }
```

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

```
.border{ border-color:rgb(208, 248, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 248, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 248, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 248, 157);  
box-shadow:4px 4px 4px 4px rgb(208, 248,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9790, 0.3401, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 248, 157) }
```

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

```
.background{ background-color: rgb(208,  
248, 157) }
```

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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