

Converting Colors

$Yxy(82.4352, 0.3384, 0.4256)$

Have a look what the booklet for
Yxy(82.4352, 0.3384, 0.4256)
contains.

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Color

Yxy(82.4695, 0.3386, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	D0F7A0
RGB	208, 247, 160
RGB Percent	82%, 97%, 63%
CMY	0.1842, 0.0314, 0.3725
CMYK	0.16, 0.00, 0.35, 0.03
HSL	87°, 84%, 80%
HSV	87°, 35%, 97%
XYZ	65.6267, 82.4695, 45.7216
YIQ	225.4210, 4.6830, -35.3250

Conversions

Conversions Part 2

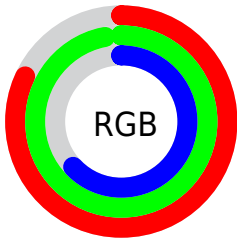
Format	Color
RYB	160, 247, 199
Decimal	13694880
CIELab	92.78, -26.96, 37.79
CIElCh	93, 46.419, 125.506
Yxy	82.4695, 0.3386, 0.4255
Android (android.graphics.Color)	4291884960 (0xFFD0F7A0)
YUV	225.4210, -32.2526, -15.2782
Hunter-Lab	90.8127, -29.9274, 33.7181

Details

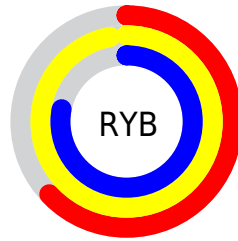
The Yxy color **82.4695, 0.3386, 0.4255** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.9994, 0.2776, 0.2308**, and the grayscale version is **75.8552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **44.9985, 0.3423, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **80.1443, 0.3445, 0.4550**, and if you desaturate by 10%, it is **85.0855, 0.3317, 0.3963**.

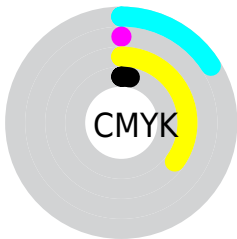
Distribution



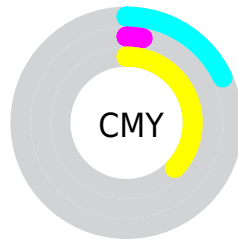
- Red (82%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (78%)



- Cyan (16%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4695, 0.3386, 0.4255 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 82.4695, 0.3386, 0.4255 by changing the saturation by 10% instead.

 82.4695, 0.3386,
0.4255


 82.4695, 0.3386,
0.4255


503.2168, 0.3283,
0.3802

 61.7526, 0.3405,
0.4359


 136.8322, 0.3354,
0.4097

 44.8328, 0.3426,
0.4487


 171.2468, 0.3340,
0.4036

 31.3258, 0.3448,
0.4649


210.9961, 0.3328,
0.3983

 20.8470, 0.3469,
0.4858

256.4645, 0.3317,
0.3937

 13.0122, 0.3484,
0.5137

308.0364, 0.3307,
0.3897

 7.4370, 0.3476,
0.5520

366.0961, 0.3298,

 3.7369, 0.3530,

0.3862

0.6294

431.0281, 0.3290,
0.3830

■ 1.5275, 0.3102,
0.6898

■ 0.3079, 0.0000,
1.0000

■ 82.4695, 0.3386,
0.4255

■ 82.4695, 0.3386,
0.4255

■ 80.1443, 0.3445,
0.4550

■ 85.0855, 0.3317,
0.3963

■ 78.0866, 0.3489,
0.4836

■ 87.9931, 0.3243,
0.3682

■ 76.2863, 0.3515,
0.5099

■ 91.2067, 0.3167,
0.3419

■ 74.7283, 0.3517,
0.5324

■ 94.4886, 0.3114,
0.3213

■ 73.3953, 0.3496,
0.5498

■ 94.9993, 0.3131,
0.3214

■ 72.2662, 0.3453,
0.5618

■ 71.7845, 0.3428,
0.5660

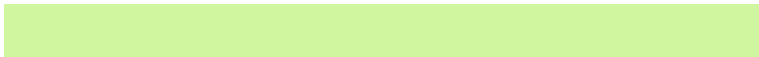
Harmonies

Analogous

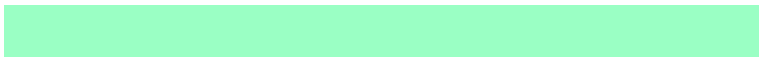
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4695, 0.3865, 0.4185



82.4695, 0.3386, 0.4255



82.4695, 0.2861, 0.3995

Triad

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



82.4695, 0.3386, 0.4255



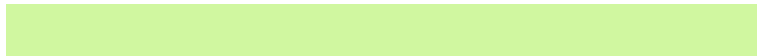
82.4695, 0.2182, 0.2604



82.4695, 0.3850, 0.3055

Complementary

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



82.4695, 0.3386, 0.4255



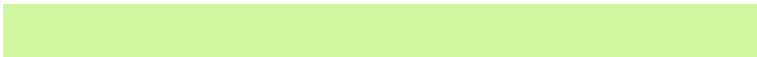
43.9994, 0.2776, 0.2308

Split Complementary

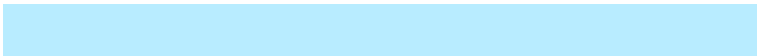
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4695, 0.3336, 0.2709



82.4695, 0.3386, 0.4255



82.4695, 0.2393, 0.2447

Square

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



82.4695, 0.3386, 0.4255



82.4695, 0.2193, 0.2969



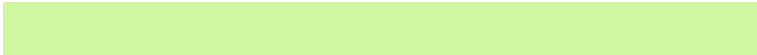
82.4695, 0.2801, 0.2492



82.4695, 0.4160, 0.3469

Rectangle

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



82.4695, 0.3386, 0.4255



82.4695, 0.2556, 0.3673



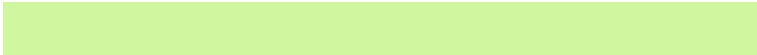
82.4695, 0.2801, 0.2492



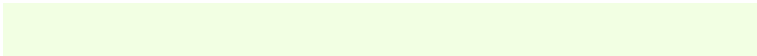
82.4695, 0.3692, 0.2929

Sweetspot

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



82.4731, 0.3386, 0.4255



96.0179, 0.3211, 0.3569



62.5657, 0.3829, 0.3695



20.4528, 0.3221, 0.3605



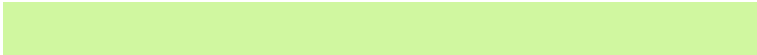
0.0000, 0.0000, 0.0000



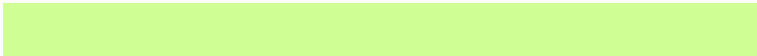
21.4041, 0.3127, 0.3290

Same Dimension

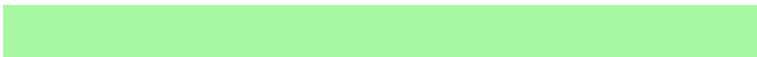
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4731, 0.3386, 0.4255



86.9248, 0.3428, 0.4458



77.1445, 0.3112, 0.4342



18.9230, 0.3199, 0.3529



38.0513, 0.3439, 0.5651



3.4053, 0.3529, 0.5580

Inverse Universe

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



43.9994, 0.2776, 0.2308



40.0867, 0.2688, 0.2098



50.5967, 0.3120, 0.2403



16.2900, 0.3050, 0.3050



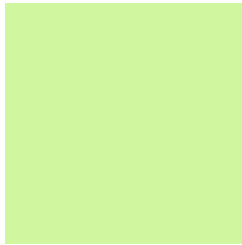
5.4077, 0.1925, 0.0834



0.5353, 0.2064, 0.0911

Previews

White Background



This preview shows how the Yxy color 82.4695, 0.3386, 0.4255 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 82.4695, 0.3386, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

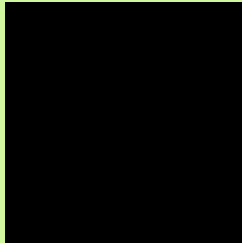
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4695, 0.3386, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 82.4695, 0.3386, 0.4255.

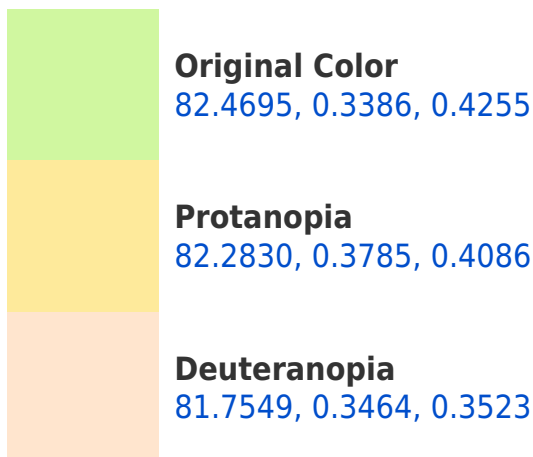


This preview shows how white text looks on a background with the Yxy color 82.4695, 0.3386, 0.4255.

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

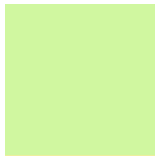




Tritanopia

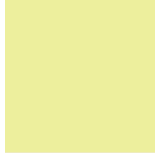
81.9446, 0.2923, 0.3094

Trichromacy



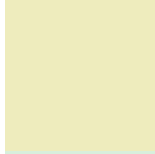
Original Color

82.4695, 0.3386, 0.4255



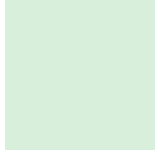
Protanomaly

82.1719, 0.3630, 0.4150



Deuteranomaly

81.8422, 0.3442, 0.3784



Tritanomaly

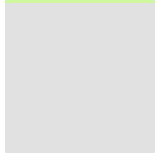
81.4992, 0.3091, 0.3494

Monochromacy



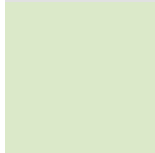
Original Color

82.4695, 0.3386, 0.4255



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.5549, 0.3234, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4695, 0.3386, 0.4255 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, 247, 160)` looks like.

```
.text, #text, p{  
    color:rgb(208, 247, 160)  
}
```

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, 247, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 247, 160) }
```

Border

The CSS property to change the border of an element to Yxy 82.4695, 0.3386, 0.4255 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, 247, 160) }
```

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

```
.border{ border-color:rgb(208, 247, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 247, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 247, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 247, 160);  
box-shadow:4px 4px 4px 4px rgb(208, 247,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4695, 0.3386, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 247, 160) }
```

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

```
.background{ background-color: rgb(208,  
247, 160) }
```

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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