

Converting Colors

Yxy(83.0054, 0.3430, 0.4297)

Have a look what the booklet for
Yxy(83.0054, 0.3430, 0.4297)
contains.

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Color

Yxy(82.7707, 0.3429, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	D3F79C
RGB	211, 247, 156
RGB Percent	83%, 97%, 61%
CMY	0.1725, 0.0314, 0.3882
CMYK	0.15, 0.00, 0.37, 0.03
HSL	84°, 85%, 79%
HSV	84°, 37%, 97%
XYZ	66.1278, 82.7707, 43.9502
YIQ	225.8620, 7.7550, -35.9330

Conversions

Conversions Part 2

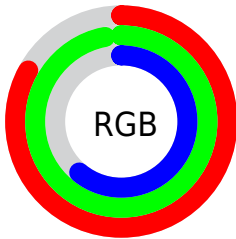
Format	Color
RYB	156, 247, 192
Decimal	13891484
CIELab	92.91, -26.41, 39.97
CIELCh	93, 47.910, 123.449
Yxy	82.7707, 0.3429, 0.4292
Android (android.graphics.Color)	4292081564 (0xFFD3F79C)
YUV	225.8620, -34.4420, -13.0340
Hunter-Lab	90.9784, -29.4691, 35.0428

Details

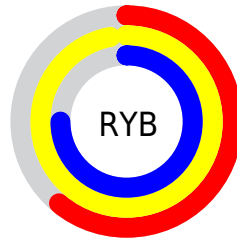
The Yxy color $82.7707, 0.3429, 0.4292$ is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be $41.7069, 0.2718, 0.2248$, and the grayscale version is $76.2015, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4831, 0.3388, 0.3721$, and $45.2094, 0.3476, 0.4542$ is the 20% darker color. If you saturate the color by 10%, you get $80.6209, 0.3495, 0.4579$, and if you desaturate by 10%, it is $85.1857, 0.3352, 0.4004$.

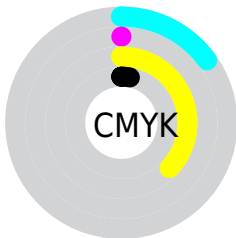
Distribution



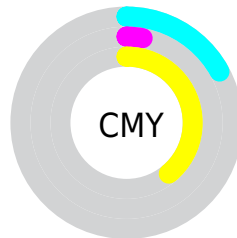
- Red (83%)
- Green (97%)
- Blue (61%)



- Red (61%)
- Yellow (97%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (37%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7707, 0.3429, 0.4292 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 82.7707, 0.3429, 0.4292 by changing the saturation by 10% instead.


 82.7707, 0.3429,
0.4292


 82.7707, 0.3429,
0.4292


504.2220, 0.3308,
0.3823

 62.0010, 0.3451,
0.4399


 137.2543, 0.3391,
0.4129

 45.0335, 0.3476,
0.4531


 171.7369, 0.3375,
0.4065

 31.4838, 0.3503,
0.4696


211.5594, 0.3361,
0.4011

 20.9675, 0.3529,
0.4909

257.1060, 0.3348,
0.3963

 13.1003, 0.3549,
0.5191

308.7611, 0.3336,
0.3922

 7.4976, 0.3545,
0.5572


366.9093, 0.3326,


 3.7752, 0.3625,

0.3885


0.6375


431.9348, 0.3316,
0.3852


 1.5486, 0.3156,
0.6844


 0.3226, 0.0000,
1.0000


 82.7707, 0.3429,
0.4292


 82.7707, 0.3429,
0.4292


 80.6209, 0.3495,
0.4579


 85.1857, 0.3352,
0.4004


 78.7135, 0.3545,
0.4854

 87.8659, 0.3270,
0.3724

 77.0389, 0.3575,
0.5101

 90.8253, 0.3185,
0.3460

 75.5825, 0.3582,
0.5308

 94.0736, 0.3101,
0.3215

■ 74.3273, 0.3564,
0.5466

■ 95.0036, 0.3131,
0.3214

■ 73.2522, 0.3523,
0.5571

■ 72.9396, 0.3507,
0.5597

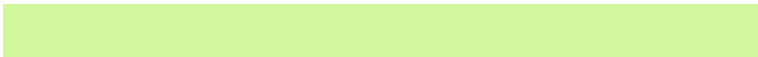
Harmonies

Analogous

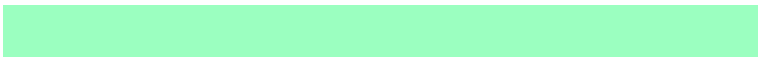
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7707, 0.3914, 0.4195



82.7707, 0.3429, 0.4292



82.7707, 0.2887, 0.4048

Triad

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



82.7707, 0.3429, 0.4292



82.7707, 0.2150, 0.2602



82.7707, 0.3840, 0.3020

Complementary

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



82.7707, 0.3429, 0.4292



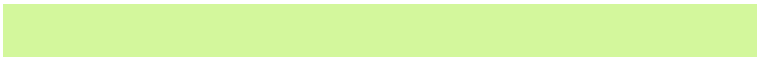
41.7069, 0.2718, 0.2248

Split Complementary

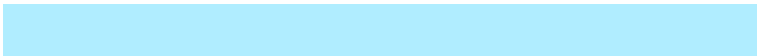
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7707, 0.3302, 0.2673



82.7707, 0.3429, 0.4292



82.7707, 0.2350, 0.2428

Square

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



82.7707, 0.3429, 0.4292



82.7707, 0.2177, 0.2991



82.7707, 0.2757, 0.2461



82.7707, 0.4180, 0.3442

Rectangle

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



82.7707, 0.3429, 0.4292



82.7707, 0.2568, 0.3723



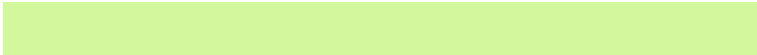
82.7707, 0.2757, 0.2461



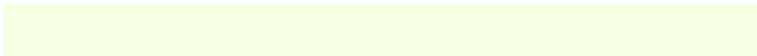
82.7707, 0.3674, 0.2893

Sweetspot

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



82.7743, 0.3429, 0.4292



96.2790, 0.3220, 0.3568



59.3917, 0.3888, 0.3667



20.5151, 0.3232, 0.3604



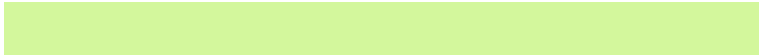
0.0000, 0.0000, 0.0000



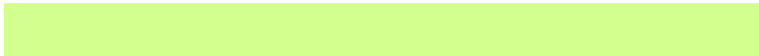
21.4041, 0.3127, 0.3290

Same Dimension

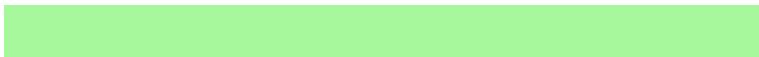
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7743, 0.3429, 0.4292



87.2885, 0.3478, 0.4501



77.1000, 0.3138, 0.4389



18.9674, 0.3207, 0.3528



38.6589, 0.3518, 0.5589



3.4573, 0.3601, 0.5523

Inverse Universe

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



41.7069, 0.2718, 0.2248



37.3937, 0.2615, 0.2021



48.3979, 0.3081, 0.2352



16.2465, 0.3041, 0.3050



4.9934, 0.1837, 0.0786



0.4967, 0.1976, 0.0862

Previews

White Background



This preview shows how the Yxy color 82.7707, 0.3429, 0.4292 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 82.7707, 0.3429, 0.4292 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

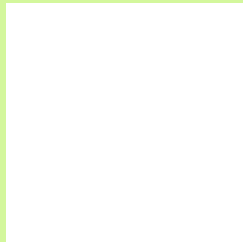
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7707, 0.3429, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 82.7707, 0.3429, 0.4292.

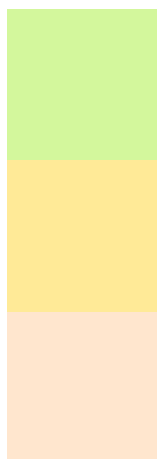


This preview shows how white text looks on a background with the Yxy color 82.7707, 0.3429, 0.4292.

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

82.7707, 0.3429, 0.4292

Protanopia

82.3400, 0.3817, 0.4122

Deuteranopia

82.3099, 0.3462, 0.3532



Tritanopia

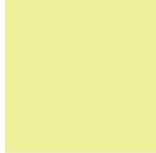
82.5800, 0.2948, 0.3095

Trichromacy



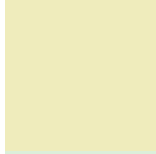
Original Color

82.7707, 0.3429, 0.4292



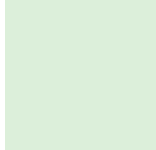
Protanomaly

82.3836, 0.3669, 0.4186



Deuteranomaly

81.9725, 0.3455, 0.3793



Tritanomaly

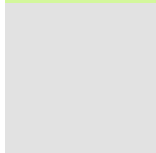
82.0106, 0.3130, 0.3514

Monochromacy



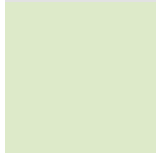
Original Color

82.7707, 0.3429, 0.4292



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.4348, 0.3247, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7707, 0.3429, 0.4292 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(211, 247, 156)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 156)  
}
```

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(211, 247, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 156) }
```

Border

The CSS property to change the border of an element to Yxy 82.7707, 0.3429, 0.4292 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(211, 247, 156) }
```

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

```
.border{ border-color:rgb(211, 247, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 247, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 156);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7707, 0.3429, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 156) }
```

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

```
.background{ background-color: rgb(211,  
247, 156) }
```

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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