

Converting Colors

$Yxy(86.1854, 0.3559, 0.4449)$

Have a look what the booklet for
Yxy(86.1854, 0.3559, 0.4449)
contains.

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Color

Yxy(86.1630, 0.3558, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	DCFB8E
RGB	220, 251, 142
RGB Percent	86%, 98%, 56%
CMY	0.1371, 0.0157, 0.4430
CMYK	0.12, 0.00, 0.43, 0.02
HSL	77°, 93%, 77%
HSV	77°, 43%, 98%
XYZ	68.9072, 86.1630, 38.5981
YIQ	229.3050, 16.5130, -40.4710

Conversions

Conversions Part 2

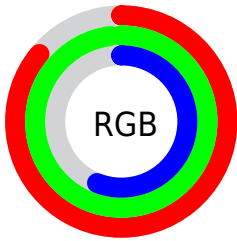
Format	Color
RYB	142, 251, 173
Decimal	14482318
CIELab	94.38, -26.61, 48.77
CIELCh	94, 55.557, 118.622
Yxy	86.1630, 0.3558, 0.4449
Android (android.graphics.Color)	4292672398 (0xFFDCFB8E)
YUV	229.3050, -43.0414, -8.1605
Hunter-Lab	92.8240, -29.9340, 40.3229

Details

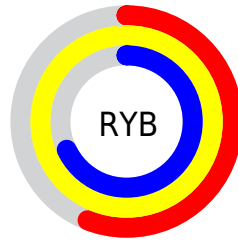
The Yxy color **86.1630, 0.3558, 0.4449** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.1975, 0.2529, 0.2009**, and the grayscale version is **78.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **47.0914, 0.3623, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **84.4069, 0.3634, 0.4710**, and if you desaturate by 10%, it is **88.1440, 0.3468, 0.4175**.

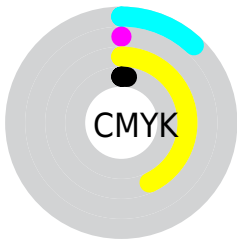
Distribution



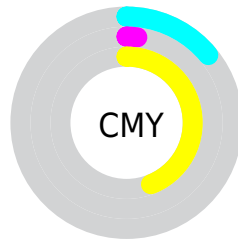
- Red (86%)
- Green (98%)
- Blue (56%)



- Red (56%)
- Yellow (98%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)





- Cyan (14%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1630, 0.3558, 0.4449 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 86.1630, 0.3558, 0.4449 by changing the saturation by 10% instead.


 86.1630, 0.3558,
0.4449

 86.1630, 0.3558,
0.4449


515.4685, 0.3387,
0.3914

 64.8028, 0.3589,
0.4568


 141.9969, 0.3505,
0.4265

 47.3012, 0.3623,
0.4713


 177.2394, 0.3482,
0.4193

 33.2738, 0.3658,
0.4892


217.8781, 0.3462,
0.4131

 22.3363, 0.3692,
0.5116

264.2974, 0.3444,
0.4076

 14.1042, 0.3715,
0.5402

316.8817, 0.3427,
0.4028

 8.1932, 0.3708,
0.5774

376.0154, 0.3413,

 4.2188, 0.3662,

0.3986

0.6338

442.0829, 0.3399,
0.3948

■ 1.7967, 0.3247,
0.6753

■ 0.4851, 0.0000,
1.0000

■ 86.1630, 0.3558,
0.4449

■ 86.1630, 0.3558,
0.4449

■ 84.4069, 0.3634,
0.4710

■ 88.1440, 0.3468,
0.4175

■ 82.8519, 0.3691,
0.4947


■ 90.3493, 0.3369,
0.3899


■ 81.4885, 0.3724,
0.5146

■ 92.7929, 0.3266,
0.3630

■ 80.3009, 0.3731,
0.5300

■ 95.4845, 0.3162,
0.3374

 79.2703, 0.3713,
0.5405

 97.4698, 0.3129,
0.3252

 78.6597, 0.3691,
0.5452

Harmonies

Analogous

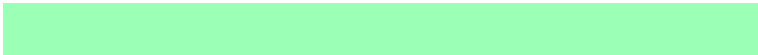
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1630, 0.4087, 0.4264



86.1630, 0.3558, 0.4449



86.1630, 0.2942, 0.4242

Triad

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



86.1630, 0.3558, 0.4449



86.1630, 0.2014, 0.2557



86.1630, 0.3853, 0.2911

Complementary

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



86.1630, 0.3558, 0.4449



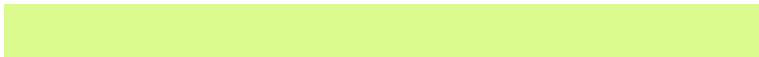
35.1975, 0.2529, 0.2009

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.



86.1630, 0.3217, 0.2545



86.1630, 0.3558, 0.4449



86.1630, 0.2197, 0.2331

Square

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



86.1630, 0.3558, 0.4449



86.1630, 0.2082, 0.3031



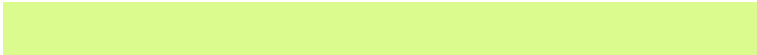
86.1630, 0.2616, 0.2338



86.1630, 0.4293, 0.3371

Rectangle

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



86.1630, 0.3558, 0.4449



86.1630, 0.2567, 0.3889



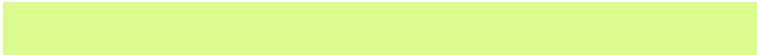
86.1630, 0.2616, 0.2338



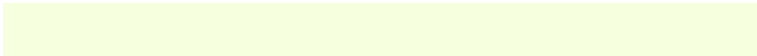
86.1630, 0.3651, 0.2775

Sweetspot

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



86.1668, 0.3558, 0.4449



96.3041, 0.3261, 0.3619



52.3093, 0.4125, 0.3621



20.4881, 0.3284, 0.3677



0.0000, 0.0000, 0.0000



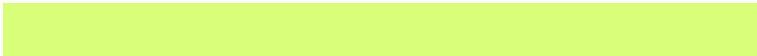
21.4041, 0.3127, 0.3290

Same Dimension

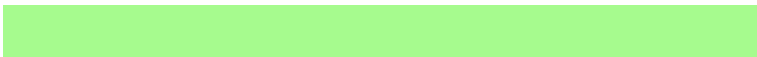
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1668, 0.3558, 0.4449



87.7400, 0.3625, 0.4676



79.0108, 0.3200, 0.4594



19.9286, 0.3225, 0.3527



41.4269, 0.3699, 0.5445



3.8904, 0.3760, 0.5397

Inverse Universe

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



35.1975, 0.2529, 0.2009



28.7165, 0.2379, 0.1726



42.7104, 0.2974, 0.2157



16.8816, 0.3023, 0.3048



4.4339, 0.1681, 0.0700



0.4618, 0.1803, 0.0767

Previews

White Background



This preview shows how the Yxy color 86.1630, 0.3558, 0.4449 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 86.1630, 0.3558, 0.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

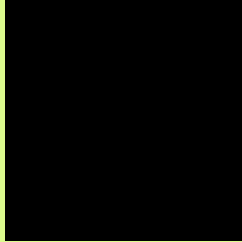
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1630, 0.3558, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 86.1630, 0.3558, 0.4449.

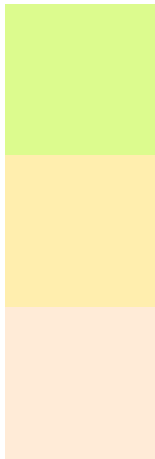


This preview shows how white text looks on a background with the Yxy color 86.1630, 0.3558, 0.4449.

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

86.1630, 0.3558, 0.4449

Protanopia

85.4651, 0.3657, 0.3934

Deuteranopia

85.5830, 0.3393, 0.3490



Tritanopia

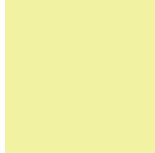
86.0312, 0.3006, 0.3120

Trichromacy



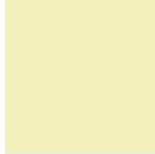
Original Color

86.1630, 0.3558, 0.4449



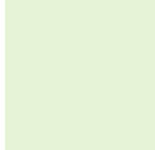
Protanomaly

85.5871, 0.3623, 0.4124



Deuteranomaly

85.4187, 0.3466, 0.3838



Tritanomaly

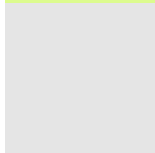
85.7792, 0.3218, 0.3593

Monochromacy



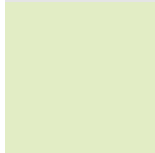
Original Color

86.1630, 0.3558, 0.4449



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7683, 0.3303, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1630, 0.3558, 0.4449 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(220, 251, 142)` looks like.

```
.text, #text, p{  
    color:rgb(220, 251, 142)  
}
```

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(220, 251, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 251, 142) }
```

Border

The CSS property to change the border of an element to Yxy 86.1630, 0.3558, 0.4449 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(220, 251, 142) }
```

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

```
.border{ border-color:rgb(220, 251, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 251, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 251, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 251, 142);  
box-shadow:4px 4px 4px 4px rgb(220, 251,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1630, 0.3558, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 251, 142) }
```

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

```
.background{ background-color: rgb(220,  
251, 142) }
```

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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