

Converting Colors

$Yxy(88.5624, 0.3468, 0.4379)$

Have a look what the booklet for
Yxy(88.5624, 0.3468, 0.4379)
contains.

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Color

Yxy(88.5716, 0.3468, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	D9FF99
RGB	217, 255, 153
RGB Percent	85%, 100%, 60%
CMY	0.1489, 0.0000, 0.4002
CMYK	0.15, 0.00, 0.40, 0.00
HSL	82°, 100%, 80%
HSV	82°, 40%, 100%
XYZ	70.1293, 88.5716, 43.5174
YIQ	232.0100, 10.0940, -39.7780

Conversions

Conversions Part 2

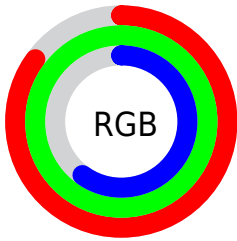
Format	Color
RYB	153, 255, 191
Decimal	14286745
CIELab	95.40, -28.37, 44.75
CIELCh	95, 52.983, 122.370
Yxy	88.5716, 0.3468, 0.4380
Android (android.graphics.Color)	4292476825 (0xFFD9FF99)
YUV	232.0100, -38.9519, -13.1638
Hunter-Lab	94.1125, -31.6850, 38.4632

Details

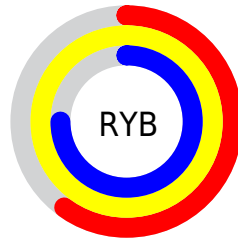
The Yxy color **88.5716, 0.3468, 0.4380** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.0554, 0.2654, 0.2140**, and the grayscale version is **80.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **48.8853, 0.3522, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **86.4083, 0.3534, 0.4661**, and if you desaturate by 10%, it is **91.0059, 0.3390, 0.4093**.

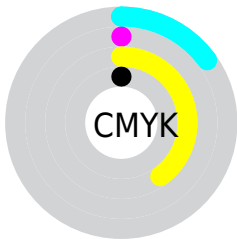
Distribution



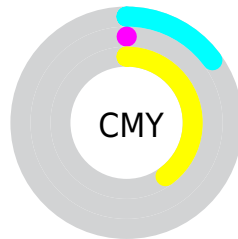
- Red (85%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5716, 0.3468, 0.4380 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 88.5716, 0.3468, 0.4380 by changing the saturation by 10% instead.


 88.5716, 0.3468,
0.4380


 88.5716, 0.3468,
0.4380


523.3733, 0.3334,
0.3876

 66.7966, 0.3492,
0.4493


 145.3527, 0.3427,
0.4206

 48.9193, 0.3518,
0.4631


 181.1275, 0.3409,
0.4138

 34.5555, 0.3545,
0.4803

222.3377, 0.3394,
0.4080

 23.3207, 0.3570,
0.5020

269.3677, 0.3379,
0.4028

 14.8305, 0.3587,
0.5302

322.6019, 0.3366,
0.3983

 8.7005, 0.3576,
0.5675


382.4246, 0.3355,


 4.5463, 0.3612,


0.3943


0.6388


449.2203, 0.3344,
0.3908


 1.9836, 0.3194,
0.6806


 0.5979, 0.0000,
1.0000


 88.5716, 0.3468,
0.4380


 88.5716, 0.3468,
0.4380

 86.4083, 0.3534,
0.4661


 91.0059, 0.3390,
0.4093

 84.4920, 0.3582,
0.4924

 93.7120, 0.3305,
0.3811

 82.8120, 0.3608,
0.5156

 96.7047, 0.3216,
0.3542

 81.3521, 0.3610,
0.5343

99.9943, 0.3127,
0.3290

■ 80.0930, 0.3587,
0.5480

100.0000, 0.3127,
0.3290

■ 79.0061, 0.3544,
0.5568

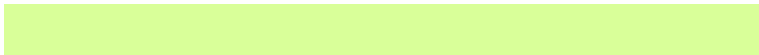
Harmonies

Analogous

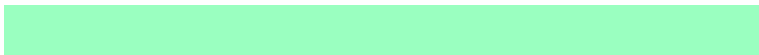
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5716, 0.3987, 0.4253



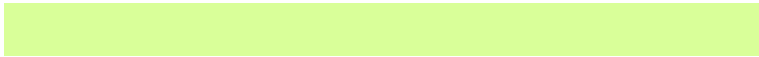
88.5716, 0.3468, 0.4380



88.5716, 0.2884, 0.4132

Triad

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



88.5716, 0.3468, 0.4380



88.5716, 0.2076, 0.2558



88.5716, 0.3880, 0.2983

Complementary

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



88.5716, 0.3468, 0.4380



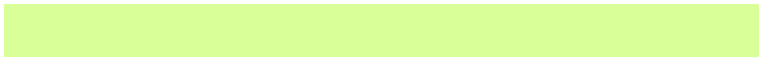
41.0554, 0.2654, 0.2140

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.



88.5716, 0.3292, 0.2618



88.5716, 0.3468, 0.4380



88.5716, 0.2281, 0.2368

Square

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



88.5716, 0.3468, 0.4380



88.5716, 0.2113, 0.2981



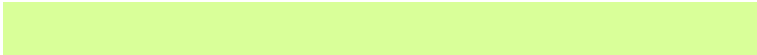
88.5716, 0.2708, 0.2398



88.5716, 0.4259, 0.3429

Rectangle

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



88.5716, 0.3468, 0.4380



88.5716, 0.2539, 0.3781



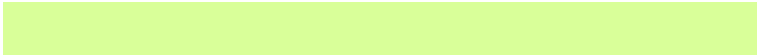
88.5716, 0.2708, 0.2398



88.5716, 0.3696, 0.2849

Sweetspot

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



88.5753, 0.3468, 0.4380



96.0878, 0.3234, 0.3594



60.5474, 0.3983, 0.3683



20.4811, 0.3245, 0.3629



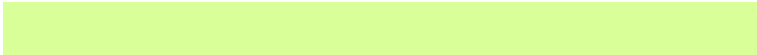
0.0000, 0.0000, 0.0000



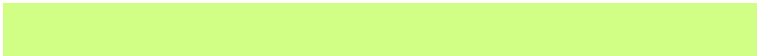
21.4041, 0.3127, 0.3290

Same Dimension

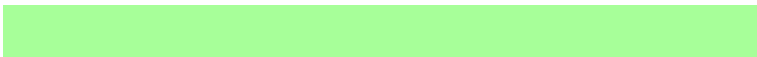
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5753, 0.3468, 0.4380



86.8247, 0.3522, 0.4606



81.9866, 0.3147, 0.4498



20.7333, 0.3211, 0.3529



41.3703, 0.3554, 0.5560



4.0904, 0.3626, 0.5503

Inverse Universe

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



41.0554, 0.2654, 0.2140



33.3675, 0.2532, 0.1887



48.7590, 0.3060, 0.2266



17.7069, 0.3037, 0.3048



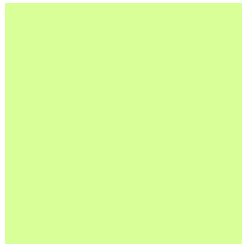
5.1182, 0.1799, 0.0765



0.5581, 0.1923, 0.0833

Previews

White Background



This preview shows how the Yxy color 88.5716, 0.3468, 0.4380 looks on a white background.

Color Contrast Check

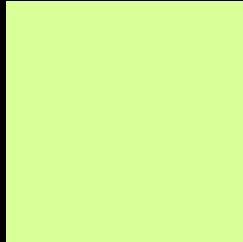
Large Text (above 18pt) WCAG AA × Fail

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 88.5716, 0.3468, 0.4380 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

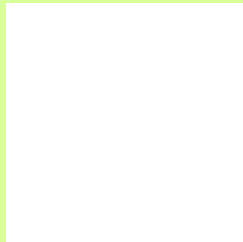
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5716, 0.3468, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 88.5716, 0.3468, 0.4380.

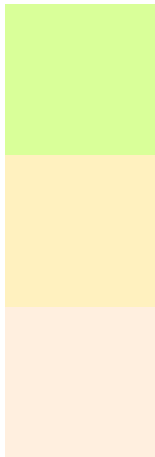


This preview shows how white text looks on a background with the Yxy color 88.5716, 0.3468, 0.4380.

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

88.5716, 0.3468, 0.4380

Protanopia

87.9322, 0.3539, 0.3791

Deuteranopia

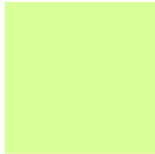
88.3207, 0.3336, 0.3449



Tritanopia

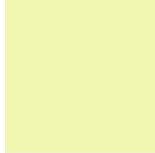
88.3864, 0.3006, 0.3160

Trichromacy



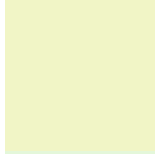
Original Color

88.5716, 0.3468, 0.4380



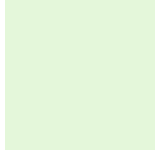
Protanomaly

87.7866, 0.3517, 0.4001



Deuteranomaly

88.0828, 0.3389, 0.3773



Tritanomaly

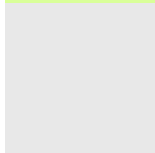
88.0775, 0.3177, 0.3592

Monochromacy



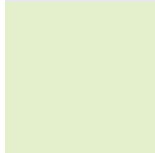
Original Color

88.5716, 0.3468, 0.4380



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.9629, 0.3269, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5716, 0.3468, 0.4380 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(217, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 153)  
}
```

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(217, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 88.5716, 0.3468, 0.4380 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(217, 255, 153) }
```

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

```
.border{ border-color:rgb(217, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5716, 0.3468, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 153) }
```

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

```
.background{ background-color: rgb(217,  
255, 153) }
```

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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