

Converting Colors

$Y_{xy}(100.0000, 0.3516, 0.4651)$

Have a look what the booklet for
Yxy(100.0000, 0.3516, 0.4651)
contains.

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Color

Yxy(88.5706, 0.3566, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	DCFF8A
RGB	220, 255, 138
RGB Percent	86%, 100%, 54%
CMY	0.1373, 0.0000, 0.4586
CMYK	0.14, 0.00, 0.46, 0.00
HSL	78°, 100%, 77%
HSV	78°, 46%, 100%
XYZ	69.8613, 88.5706, 37.4775
YIQ	231.1970, 16.6970, -43.8070

Conversions

Conversions Part 2

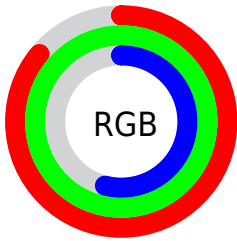
Format	Color
RYB	138, 255, 173
Decimal	14483338
CIELab	95.40, -28.94, 51.91
CIELCh	95, 59.430, 119.142
Yxy	88.5706, 0.3566, 0.4521
Android (android.graphics.Color)	4292673418 (0xFFDCFF8A)
YUV	231.1970, -45.9461, -9.8198
Hunter-Lab	94.1120, -32.1917, 42.2678

Details

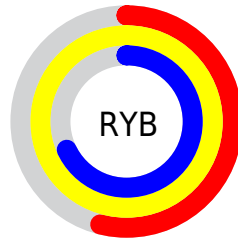
The Yxy color **88.5706, 0.3566, 0.4521** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.3047, 0.2500, 0.1932**, and the grayscale version is **80.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **48.8306, 0.3627, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **86.7506, 0.3635, 0.4780**, and if you desaturate by 10%, it is **90.6156, 0.3482, 0.4246**.

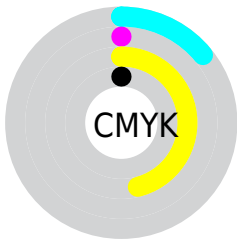
Distribution



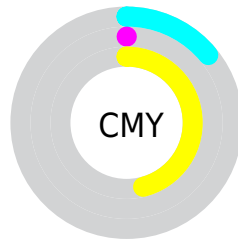
- Red (86%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (68%)



- Cyan (14%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5706, 0.3566, 0.4521 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 88.5706, 0.3566, 0.4521 by changing the saturation by 10% instead.

 88.5706, 0.3566,
0.4521


 88.5706, 0.3566,
0.4521


523.3700, 0.3396,
0.3955


 66.7957, 0.3596,
0.4646


 145.3513, 0.3514,
0.4327

 48.9186, 0.3627,
0.4798


 181.1259, 0.3492,
0.4251

 34.5549, 0.3659,
0.4984

 222.3359, 0.3472,
0.4185

 23.3202, 0.3686,
0.5215

269.3656, 0.3453,
0.4127

 14.8302, 0.3698,
0.5508

322.5995, 0.3437,
0.4077

 8.7003, 0.3678,
0.5890

382.4219, 0.3422,

 4.5462, 0.3586,

0.4031

0.6414

449.2173, 0.3408,
0.3991

■ 1.9836, 0.3159,
0.6841

■ 0.5979, 0.0000,
1.0000

■ 88.5706, 0.3566,
0.4521

■ 88.5706, 0.3566,
0.4521

■ 86.7506, 0.3635,
0.4780

■ 90.6156, 0.3482,
0.4246

■ 85.1468, 0.3683,
0.5012

■ 92.9016, 0.3387,
0.3968

■ 83.7432, 0.3708,
0.5204

■ 95.4382, 0.3287,
0.3695

■ 82.5226, 0.3706,
0.5349

■ 98.2354, 0.3186,
0.3435

■ 81.4641, 0.3679,
0.5444

100.0000, 0.3127,
0.3290

■ 81.0611, 0.3664,
0.5473

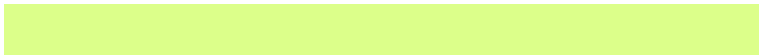
Harmonies

Analogous

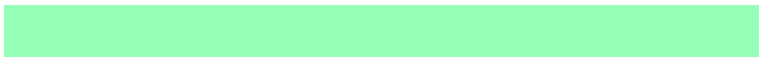
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5706, 0.4130, 0.4321



88.5706, 0.3566, 0.4521



88.5706, 0.2916, 0.4298

Triad

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



88.5706, 0.3566, 0.4521



88.5706, 0.1958, 0.2508



88.5706, 0.3906, 0.2896

Complementary

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



88.5706, 0.3566, 0.4521



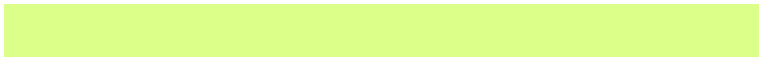
34.3047, 0.2500, 0.1932

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.



88.5706, 0.3233, 0.2512



88.5706, 0.3566, 0.4521



88.5706, 0.2153, 0.2278

Square

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



88.5706, 0.3566, 0.4521



88.5706, 0.2023, 0.3000



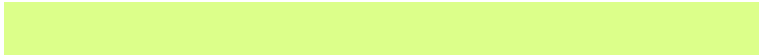
88.5706, 0.2596, 0.2291



88.5706, 0.4369, 0.3378

Rectangle

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



88.5706, 0.3566, 0.4521



88.5706, 0.2523, 0.3916



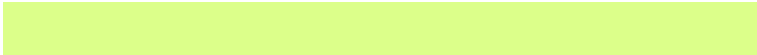
88.5706, 0.2596, 0.2291



88.5706, 0.3692, 0.2754

Sweetspot

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



88.5692, 0.3566, 0.4521



95.9389, 0.3268, 0.3646



52.2934, 0.4205, 0.3639



20.4108, 0.3290, 0.3703



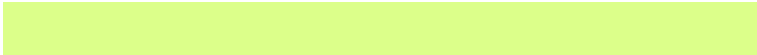
0.0000, 0.0000, 0.0000



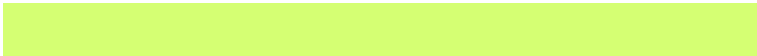
21.4041, 0.3127, 0.3290

Same Dimension

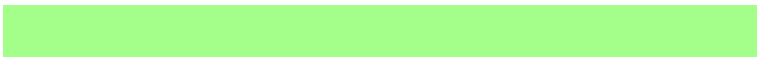
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5692, 0.3566, 0.4521



86.8986, 0.3630, 0.4759



81.1845, 0.3200, 0.4678



20.8017, 0.3223, 0.3528



42.4375, 0.3673, 0.5466



4.1889, 0.3733, 0.5418

Inverse Universe

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



34.3047, 0.2500, 0.1932



26.5672, 0.2342, 0.1637



42.1793, 0.2962, 0.2094



17.6413, 0.3026, 0.3048



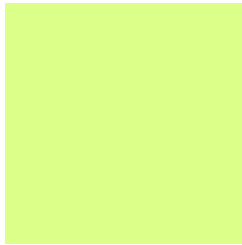
4.6504, 0.1699, 0.0710



0.5067, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 88.5706, 0.3566, 0.4521 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 88.5706, 0.3566, 0.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

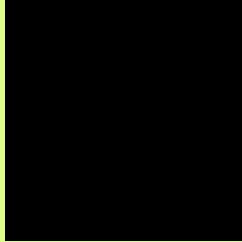
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5706, 0.3566, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 88.5706, 0.3566, 0.4521.

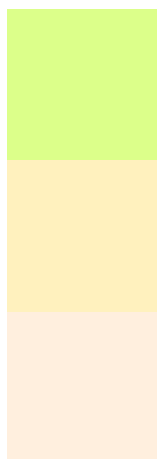


This preview shows how white text looks on a background with the Yxy color 88.5706, 0.3566, 0.4521.

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

88.5706, 0.3566, 0.4521

Protanopia

87.8883, 0.3546, 0.3801

Deuteranopia

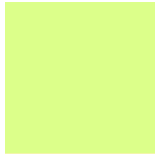
88.2669, 0.3342, 0.3459



Tritanopia

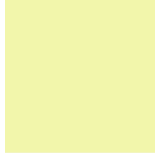
88.1351, 0.3018, 0.3151

Trichromacy



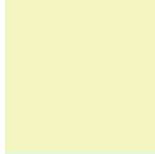
Original Color

88.5706, 0.3566, 0.4521



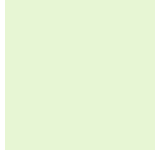
Protanomaly

87.7291, 0.3560, 0.4060



Deuteranomaly

87.9436, 0.3440, 0.3845



Tritanomaly

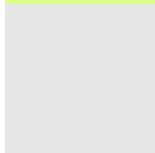
87.6539, 0.3234, 0.3644

Monochromacy



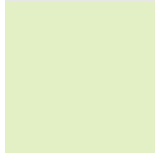
Original Color

88.5706, 0.3566, 0.4521



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.6823, 0.3306, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5706, 0.3566, 0.4521 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, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 138)  
}
```

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, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 88.5706, 0.3566, 0.4521 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, 255, 138) }
```

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

```
.border{ border-color:rgb(220, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5706, 0.3566, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 138) }
```

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

```
.background{ background-color: rgb(220,  
255, 138) }
```

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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