

Converting Colors

$Y_{xy}(100.0000, 0.3405, 0.4530)$

Have a look what the booklet for
Yxy(100.0000, 0.3405, 0.4530)
contains.

Yxy(88.1160, 0.3447, 0.4387)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.1160, 0.3447, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF99
RGB	214, 255, 153
RGB Percent	84%, 100%, 60%
CMY	0.1609, 0.0000, 0.3999
CMYK	0.16, 0.00, 0.40, 0.00
HSL	84°, 100%, 80%
HSV	84°, 40%, 100%
XYZ	69.2354, 88.1160, 43.5056
YIQ	231.1130, 8.3060, -40.4140

Conversions

Conversions Part 2

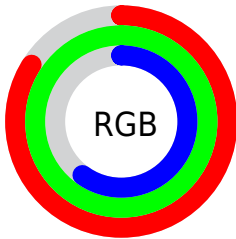
Format	Color
RYB	153, 255, 194
Decimal	14090137
CIELab	95.21, -29.47, 44.43
CIELCh	95, 53.317, 123.553
Yxy	88.1160, 0.3447, 0.4387
Android (android.graphics.Color)	4292280217 (0xFFD6FF99)
YUV	231.1130, -38.5097, -15.0081
Hunter-Lab	93.8701, -32.6171, 38.2302

Details

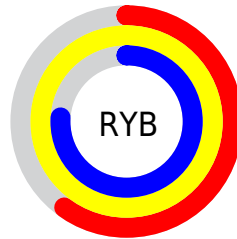
The Yxy color **88.1160, 0.3447, 0.4387** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.4878, 0.2678, 0.2149**, and the grayscale version is **80.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **48.5774, 0.3496, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **85.8618, 0.3507, 0.4673**, and if you desaturate by 10%, it is **90.6391, 0.3374, 0.4097**.

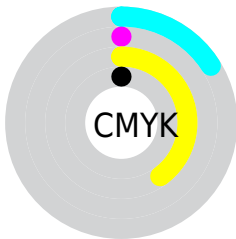
Distribution



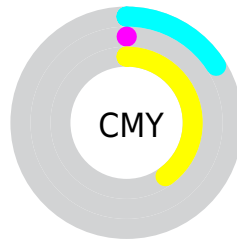
- Red (84%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1160, 0.3447, 0.4387 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 88.1160, 0.3447, 0.4387 by changing the saturation by 10% instead.


 88.1160, 0.3447,
0.4387


 88.1160, 0.3447,
0.4387


521.8830, 0.3323,
0.3878

 66.4191, 0.3469,
0.4502


 144.7186, 0.3409,
0.4211

 48.6127, 0.3492,
0.4642


 180.3932, 0.3393,
0.4143

 34.3124, 0.3516,
0.4816


221.4958, 0.3378,
0.4083

 23.1337, 0.3537,
0.5038

268.4108, 0.3365,
0.4032

 14.6922, 0.3548,
0.5326

321.5227, 0.3353,
0.3986

 8.6037, 0.3530,
0.5708

381.2157, 0.3342,

 4.4836, 0.3555,

0.3946

0.6445

447.8744, 0.3332,
0.3910

■ 1.9476, 0.3116,
0.6884

■ 0.5768, 0.0000,
1.0000

■ 88.1160, 0.3447,
0.4387

■ 88.1160, 0.3447,
0.4387

■ 85.8618, 0.3507,
0.4673

■ 90.6391, 0.3374,
0.4097

■ 83.8758, 0.3551,
0.4942

■ 93.4560, 0.3294,
0.3812

■ 82.1389, 0.3572,
0.5179

■ 96.5739, 0.3211,
0.3542

■ 80.6347, 0.3570,
0.5373

100.0000, 0.3127,
0.3290

■ 79.3433, 0.3543,
0.5514

■ 78.2342, 0.3496,
0.5606

■ 78.2332, 0.3496,
0.5606

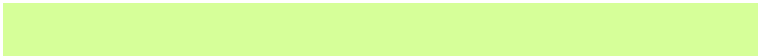
Harmonies

Analogous

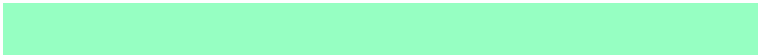
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1160, 0.3976, 0.4271



88.1160, 0.3447, 0.4387



88.1160, 0.2860, 0.4122

Triad

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



88.1160, 0.3447, 0.4387



88.1160, 0.2073, 0.2540



88.1160, 0.3906, 0.2997

Complementary

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



88.1160, 0.3447, 0.4387



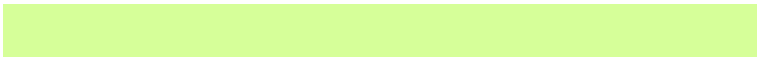
41.4878, 0.2678, 0.2149

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.



88.1160, 0.3317, 0.2625



88.1160, 0.3447, 0.4387



88.1160, 0.2288, 0.2358

Square

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



88.1160, 0.3447, 0.4387



88.1160, 0.2099, 0.2957



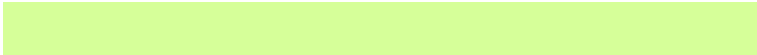
88.1160, 0.2725, 0.2397



88.1160, 0.4276, 0.3448

Rectangle

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



88.1160, 0.3447, 0.4387



88.1160, 0.2516, 0.3761



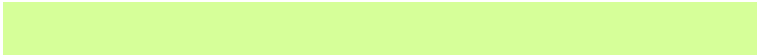
88.1160, 0.2725, 0.2397



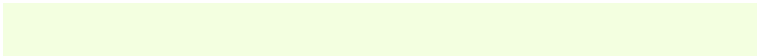
88.1160, 0.3724, 0.2861

Sweetspot

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



88.1118, 0.3447, 0.4387



95.9226, 0.3228, 0.3595



62.0621, 0.3968, 0.3718



20.4422, 0.3239, 0.3630



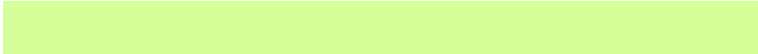
0.0000, 0.0000, 0.0000



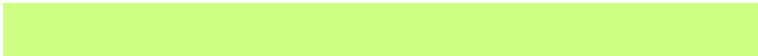
21.4041, 0.3127, 0.3290

Same Dimension

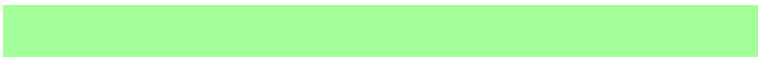
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1118, 0.3447, 0.4387



86.2881, 0.3497, 0.4617



81.6308, 0.3127, 0.4505



20.7049, 0.3207, 0.3529



40.9678, 0.3507, 0.5598



4.0526, 0.3583, 0.5537

Inverse Universe

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



41.4878, 0.2678, 0.2149



33.8129, 0.2561, 0.1898



49.3877, 0.3089, 0.2276



17.7344, 0.3042, 0.3049



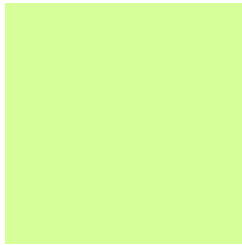
5.3486, 0.1846, 0.0791



0.5824, 0.1972, 0.0860

Previews

White Background



This preview shows how the Yxy color 88.1160, 0.3447, 0.4387 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 88.1160, 0.3447, 0.4387 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

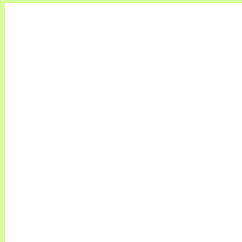
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1160, 0.3447, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 88.1160, 0.3447, 0.4387.

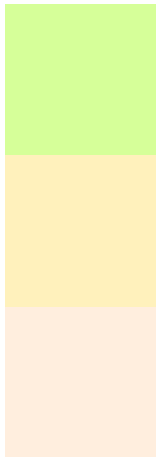


This preview shows how white text looks on a background with the Yxy color 88.1160, 0.3447, 0.4387.

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

88.1160, 0.3447, 0.4387

Protanopia

87.8014, 0.3559, 0.3821

Deuteranopia

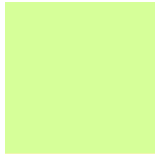
87.6830, 0.3343, 0.3449



Tritanopia

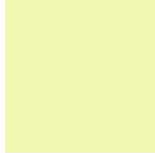
88.0479, 0.2993, 0.3160

Trichromacy



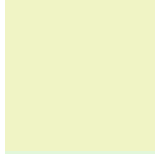
Original Color

88.1160, 0.3447, 0.4387



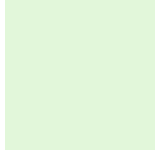
Protanomaly

87.5319, 0.3522, 0.4023



Deuteranomaly

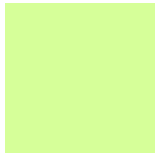
87.2578, 0.3390, 0.3775



Tritanomaly

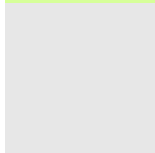
87.7522, 0.3164, 0.3593

Monochromacy



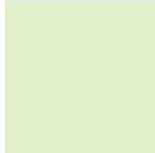
Original Color

88.1160, 0.3447, 0.4387



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.6395, 0.3255, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1160, 0.3447, 0.4387 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(214, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 88.1160, 0.3447, 0.4387 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(214, 255, 153) }
```

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

```
.border{ border-color:rgb(214, 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(214, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1160, 0.3447, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 153) }
```

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

```
.background{ background-color: rgb(214,  
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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