

Converting Colors

$Yxy(88.0193, 0.3558, 0.4555)$

Have a look what the booklet for
Yxy(88.0193, 0.3558, 0.4555)
contains.

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Color

Yxy(88.0210, 0.3561, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	D9FF87
RGB	217, 255, 135
RGB Percent	85%, 100%, 53%
CMY	0.1490, 0.0000, 0.4705
CMYK	0.15, 0.00, 0.47, 0.00
HSL	79°, 100%, 76%
HSV	79°, 47%, 100%
XYZ	68.7525, 88.0210, 36.2973
YIQ	229.9580, 15.8720, -45.3760

Conversions

Conversions Part 2

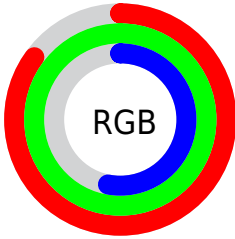
Format	Color
RYB	135, 255, 173
Decimal	14286727
CIELab	95.17, -30.35, 53.00
CIELCh	95, 61.069, 119.795
Yxy	88.0210, 0.3561, 0.4559
Android (android.graphics.Color)	4292476807 (0xFFD9FF87)
YUV	229.9580, -46.8143, -11.3642
Hunter-Lab	93.8195, -33.3763, 42.7353

Details

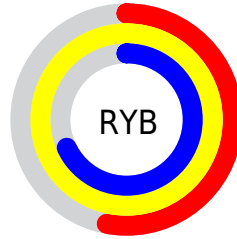
The Yxy color **88.0210, 0.3561, 0.4559** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.4423, 0.2495, 0.1899**, and the grayscale version is **79.4467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **48.4709, 0.3617, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **86.1817, 0.3625, 0.4819**, and if you desaturate by 10%, it is **90.0981, 0.3481, 0.4283**.

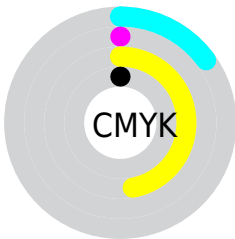
Distribution



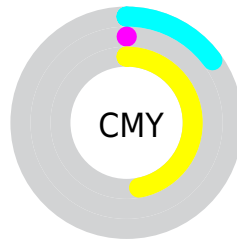
- Red (85%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (68%)



- Cyan (15%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0210, 0.3561, 0.4559 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 88.0210, 0.3561, 0.4559 by changing the saturation by 10% instead.


 88.0210, 0.3561,
0.4559


 88.0210, 0.3561,
0.4559


521.5720, 0.3394,
0.3974

 66.3405, 0.3589,
0.4688


 144.5864, 0.3511,
0.4359

 48.5488, 0.3619,
0.4845


 180.2400, 0.3489,
0.4280

 34.2617, 0.3647,
0.5037


 221.3202, 0.3469,
0.4212

 23.0947, 0.3670,
0.5277

268.2112, 0.3452,
0.4152

 14.6635, 0.3674,
0.5578

321.2975, 0.3435,
0.4100

 8.5835, 0.3647,
0.5981

380.9635, 0.3420,

 4.4706, 0.3513,

0.4053

0.6487

447.5935, 0.3407,
0.4012

■ 1.9401, 0.3060,
0.6940

■ 0.5723, 0.0000,
1.0000

■ 88.0210, 0.3561,
0.4559

■ 88.0210, 0.3561,
0.4559

■ 86.1817, 0.3625,
0.4819

■ 90.0981, 0.3481,
0.4283

■ 84.5591, 0.3667,
0.5050

■ 92.4171, 0.3391,
0.4003

■ 83.1406, 0.3686,
0.5240

■ 94.9919, 0.3294,
0.3728

■ 81.9087, 0.3678,
0.5382

■ 97.8328, 0.3196,
0.3465

■ 80.8413, 0.3647,
0.5474

100.0000, 0.3127,
0.3290

■ 80.5481, 0.3635,
0.5496

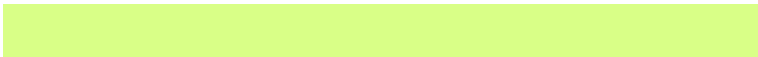
Harmonies

Analogous

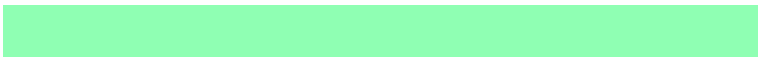
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0210, 0.4145, 0.4355



88.0210, 0.3561, 0.4559



88.0210, 0.2894, 0.4321

Triad

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



88.0210, 0.3561, 0.4559



88.0210, 0.1930, 0.2477



88.0210, 0.3943, 0.2895

Complementary

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



88.0210, 0.3561, 0.4559



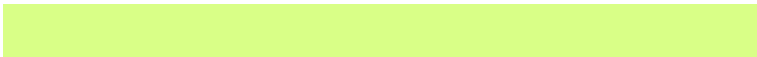
33.4423, 0.2495, 0.1899

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.



88.0210, 0.3250, 0.2499



88.0210, 0.3561, 0.4559



88.0210, 0.2135, 0.2249

Square

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



88.0210, 0.3561, 0.4559



88.0210, 0.1990, 0.2975



88.0210, 0.2593, 0.2269



88.0210, 0.4412, 0.3388

Rectangle

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



88.0210, 0.3561, 0.4559



88.0210, 0.2493, 0.3921



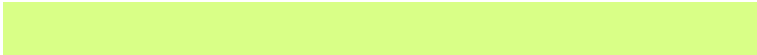
88.0210, 0.2593, 0.2269



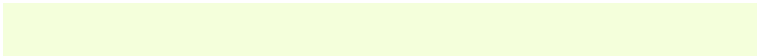
88.0210, 0.3723, 0.2748

Sweetspot

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



88.0236, 0.3561, 0.4559



95.8290, 0.3264, 0.3646



52.1436, 0.4234, 0.3668



20.3839, 0.3285, 0.3704



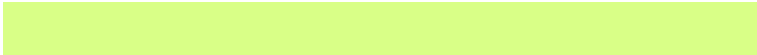
0.0000, 0.0000, 0.0000



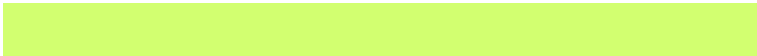
21.4041, 0.3127, 0.3290

Same Dimension

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



88.0236, 0.3561, 0.4559



86.3641, 0.3619, 0.4793



80.6434, 0.3189, 0.4724



20.7854, 0.3220, 0.3528



42.1715, 0.3644, 0.5489



4.1645, 0.3708, 0.5438

Inverse Universe

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



33.4423, 0.2495, 0.1899



26.0626, 0.2343, 0.1613



41.5460, 0.2973, 0.2070



17.6568, 0.3028, 0.3048



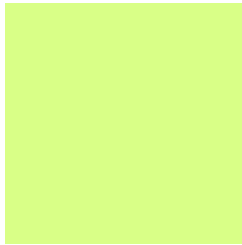
4.7507, 0.1721, 0.0722



0.5180, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 88.0210, 0.3561, 0.4559 looks on a white background.

Color Contrast Check

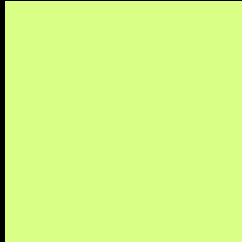
Large Text (above 18pt) WCAG AA × Fail

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 88.0210, 0.3561, 0.4559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

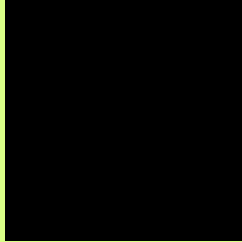
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

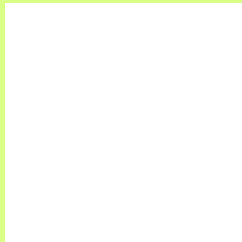
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0210, 0.3561, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 88.0210, 0.3561, 0.4559.

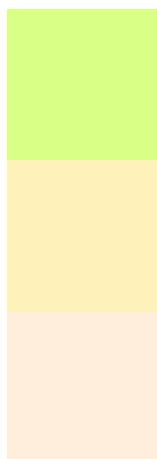


This preview shows how white text looks on a background with the Yxy color 88.0210, 0.3561, 0.4559.

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

88.0210, 0.3561, 0.4559

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

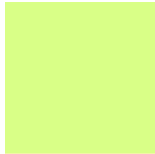
87.5764, 0.3356, 0.3469



Tritanopia

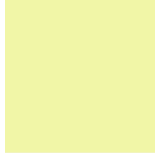
87.7928, 0.3006, 0.3150

Trichromacy



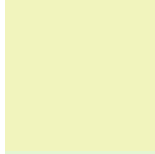
Original Color

88.0210, 0.3561, 0.4559



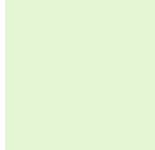
Protanomaly

87.4023, 0.3577, 0.4103



Deuteranomaly

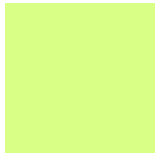
87.0763, 0.3447, 0.3857



Tritanomaly

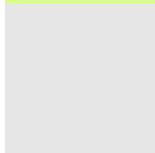
87.1087, 0.3220, 0.3657

Monochromacy



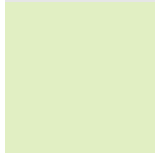
Original Color

88.0210, 0.3561, 0.4559



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6807, 0.3306, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0210, 0.3561, 0.4559 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 88.0210, 0.3561, 0.4559 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, 135) }
```

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

```
.border{ border-color:rgb(217, 255, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0210, 0.3561, 0.4559 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, 135) }
```

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

```
.background{ background-color: rgb(217,  
255, 135) }
```

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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