

Converting Colors

$Yxy(87.8725, 0.3539, 0.4540)$

Have a look what the booklet for
Yxy(87.8725, 0.3539, 0.4540)
contains.

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Color

Yxy(87.9251, 0.3544, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	D8FF89
RGB	216, 255, 137
RGB Percent	85%, 100%, 54%
CMY	0.1530, 0.0000, 0.4627
CMYK	0.15, 0.00, 0.46, 0.00
HSL	80°, 100%, 77%
HSV	80°, 46%, 100%
XYZ	68.5905, 87.9251, 37.0242
YIQ	229.8870, 14.6340, -44.9660

Conversions

Conversions Part 2

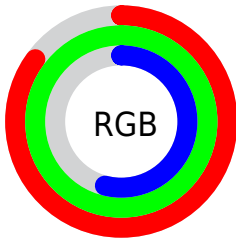
Format	Color
RYB	137, 255, 176
Decimal	14221193
CIELab	95.13, -30.52, 52.01
CIELCh	95, 60.303, 120.410
Yxy	87.9251, 0.3544, 0.4543
Android (android.graphics.Color)	4292411273 (0xFFD8FF89)
YUV	229.8870, -45.7933, -12.1789
Hunter-Lab	93.7684, -33.5240, 42.2274

Details

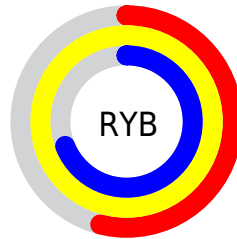
The Yxy color **87.9251, 0.3544, 0.4543** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.3460, 0.2521, 0.1928**, and the grayscale version is **79.3754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **48.3992, 0.3598, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **86.0236, 0.3607, 0.4807**, and if you desaturate by 10%, it is **90.0602, 0.3466, 0.4264**.

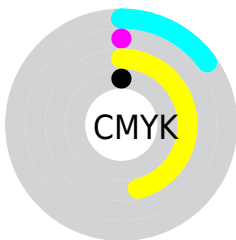
Distribution



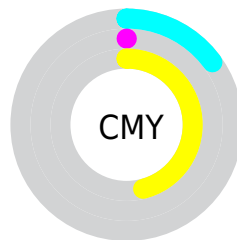
- Red (85%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (69%)



- Cyan (15%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9251, 0.3544, 0.4543 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 87.9251, 0.3544, 0.4543 by changing the saturation by 10% instead.

 87.9251, 0.3544,
0.4543

 87.9251, 0.3544,
0.4543


521.2579, 0.3384,
0.3965

 66.2610, 0.3571,
0.4671

 144.4529, 0.3496,
0.4345

 48.4843, 0.3599,
0.4827


 180.0854, 0.3475,
0.4267

 34.2106, 0.3627,
0.5019


 221.1428, 0.3456,
0.4199

 23.0554, 0.3648,
0.5258

268.0096, 0.3439,
0.4140

 14.6344, 0.3653,
0.5560

321.0701, 0.3423,
0.4089

 8.5632, 0.3623,
0.5961

380.7087, 0.3409,

 4.4574, 0.3503,

0.4043

0.6497

447.3099, 0.3396,
0.4001

■ 1.9326, 0.3047,
0.6953

■ 0.5679, 0.0000,
1.0000

■ 87.9251, 0.3544,
0.4543

■ 87.9251, 0.3544,
0.4543

■ 86.0236, 0.3607,
0.4807

■ 90.0602, 0.3466,
0.4264

■ 84.3502, 0.3649,
0.5044

■ 92.4489, 0.3377,
0.3983

■ 82.8872, 0.3667,
0.5240

■ 95.0997, 0.3283,
0.3707

■ 81.6173, 0.3659,
0.5389

■ 98.0230, 0.3187,
0.3446

■ 80.5189, 0.3627,
0.5487

100.0000, 0.3127,
0.3290

■ 80.1417, 0.3611,
0.5515

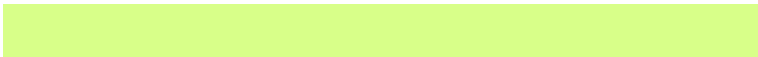
Harmonies

Analogous

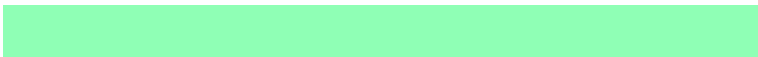
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9251, 0.4124, 0.4351



87.9251, 0.3544, 0.4543



87.9251, 0.2884, 0.4297

Triad

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



87.9251, 0.3544, 0.4543



87.9251, 0.1944, 0.2479



87.9251, 0.3946, 0.2909

Complementary

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



87.9251, 0.3544, 0.4543



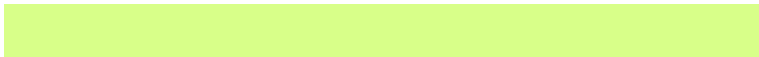
34.3460, 0.2521, 0.1928

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.



87.9251, 0.3263, 0.2514



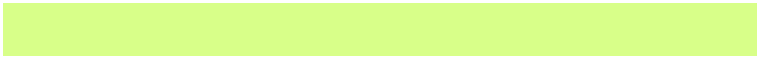
87.9251, 0.3544, 0.4543



87.9251, 0.2153, 0.2259

Square

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



87.9251, 0.3544, 0.4543



87.9251, 0.1998, 0.2968



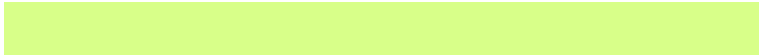
87.9251, 0.2611, 0.2282



87.9251, 0.4402, 0.3399

Rectangle

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



87.9251, 0.3544, 0.4543



87.9251, 0.2490, 0.3899



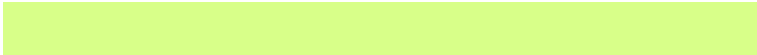
87.9251, 0.2611, 0.2282



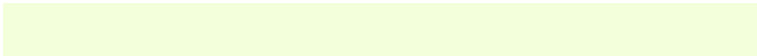
87.9251, 0.3730, 0.2763

Sweetspot

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



87.9225, 0.3544, 0.4543



95.7396, 0.3261, 0.3647



53.4819, 0.4198, 0.3683



20.3621, 0.3282, 0.3704



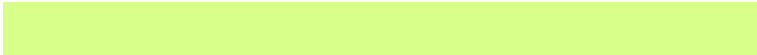
0.0000, 0.0000, 0.0000



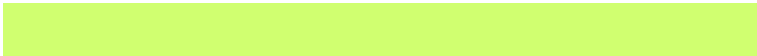
21.4041, 0.3127, 0.3290

Same Dimension

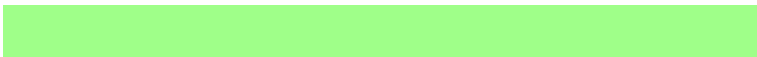
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9225, 0.3544, 0.4543



86.0722, 0.3605, 0.4800



80.6603, 0.3177, 0.4702



20.7722, 0.3218, 0.3528



41.9605, 0.3621, 0.5507



4.1451, 0.3687, 0.5455

Inverse Universe

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



34.3460, 0.2521, 0.1928



26.2666, 0.2358, 0.1620



42.4987, 0.2994, 0.2095



17.6694, 0.3031, 0.3048



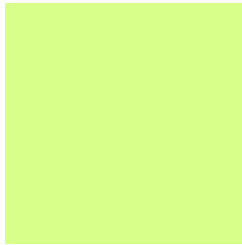
4.8374, 0.1739, 0.0732



0.5276, 0.1861, 0.0799

Previews

White Background



This preview shows how the Yxy color 87.9251, 0.3544, 0.4543 looks on a white background.

Color Contrast Check

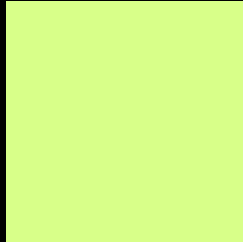
Large Text (above 18pt) WCAG AA × Fail

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 87.9251, 0.3544, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

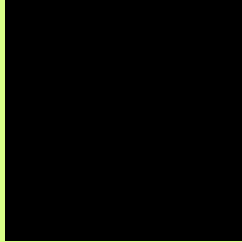
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9251, 0.3544, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 87.9251, 0.3544, 0.4543.

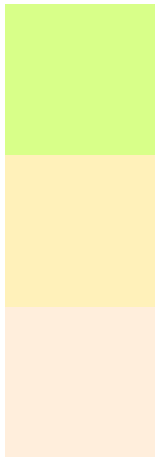


This preview shows how white text looks on a background with the Yxy color 87.9251, 0.3544, 0.4543.

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

87.9251, 0.3544, 0.4543

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

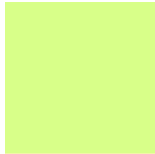
87.5764, 0.3356, 0.3469



Tritanopia

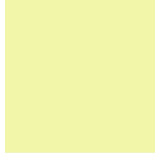
87.6230, 0.2999, 0.3150

Trichromacy



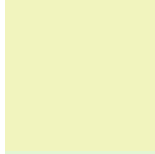
Original Color

87.9251, 0.3544, 0.4543



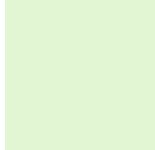
Protanomaly

87.4395, 0.3571, 0.4093



Deuteranomaly

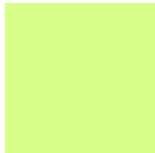
87.1198, 0.3441, 0.3847



Tritanomaly

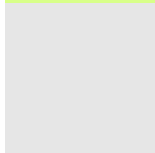
86.9959, 0.3207, 0.3647

Monochromacy



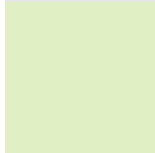
Original Color

87.9251, 0.3544, 0.4543



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.7261, 0.3300, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9251, 0.3544, 0.4543 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(216, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 137)  
}
```

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(216, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 87.9251, 0.3544, 0.4543 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(216, 255, 137) }
```

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

```
.border{ border-color:rgb(216, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9251, 0.3544, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 137) }
```

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

```
.background{ background-color: rgb(216,  
255, 137) }
```

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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