

Converting Colors

Yxy(87.5119, 0.3264, 0.4169)

Have a look what the booklet for
Yxy(87.5119, 0.3264, 0.4169)
contains.

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Color

Yxy(87.4525, 0.3262, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFAF
RGB	204, 255, 175
RGB Percent	80%, 100%, 69%
CMY	0.2001, 0.0000, 0.3138
CMYK	0.20, 0.00, 0.31, 0.00
HSL	98°, 100%, 84%
HSV	98°, 31%, 100%
XYZ	68.3937, 87.4525, 53.8218
YIQ	230.6310, -4.7160, -35.6920

Conversions

Conversions Part 2

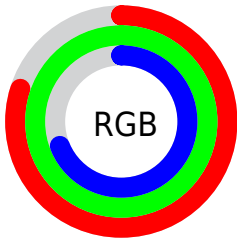
Format	Color
RYB	175, 255, 226
Decimal	13434799
CIELab	94.93, -30.09, 33.12
CIElCh	95, 44.752, 132.256
Yxy	87.4525, 0.3262, 0.4171
Android (android.graphics.Color)	4291624879 (0xFFCCFFAF)
YUV	230.6310, -27.4261, -23.3554
Hunter-Lab	93.5160, -33.1057, 31.3378

Details

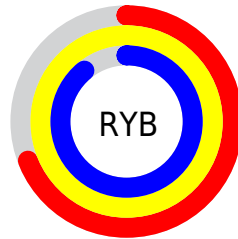
The Yxy color **87.4525, 0.3262, 0.4171** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.0417, 0.2937, 0.2452**, and the grayscale version is **79.8256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **48.1829, 0.3279, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **84.3612, 0.3294, 0.4489**, and if you desaturate by 10%, it is **90.9655, 0.3223, 0.3866**.

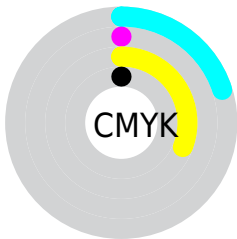
Distribution



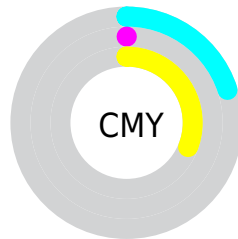
- Red (80%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4525, 0.3262, 0.4171 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 87.4525, 0.3262, 0.4171 by changing the saturation by 10% instead.


 87.4525, 0.3262,
0.4171

 87.4525, 0.3262,
0.4171


519.7086, 0.3213,
0.3759

 65.8697, 0.3270,
0.4265


 143.7947, 0.3248,
0.4028

 48.1667, 0.3277,
0.4382


179.3229, 0.3242,
0.3972

 33.9589, 0.3284,
0.4529


220.2684, 0.3236,
0.3924

 22.8620, 0.3288,
0.4720

267.0155, 0.3230,
0.3883

 14.4917, 0.3284,
0.4977

319.9487, 0.3226,
0.3846

 8.4634, 0.3259,
0.5337

379.4524, 0.3221,

 4.3929, 0.3192,

0.3814

0.5885

445.9109, 0.3217,
0.3785

■ 1.8957, 0.3061,
0.6939

■ 0.5458, 0.0000,
1.0000

■ 87.4525, 0.3262,
0.4171

■ 87.4525, 0.3262,
0.4171

■ 84.3612, 0.3294,
0.4489

■ 90.9655, 0.3223,
0.3866

■ 81.6846, 0.3314,
0.4810

■ 94.9281, 0.3179,
0.3582

■ 79.3996, 0.3321,
0.5115

■ 99.3524, 0.3133,
0.3324

■ 77.4849, 0.3309,
0.5387

100.0000, 0.3127,
0.3290

■ 75.9169, 0.3280,
0.5608

■ 74.6682, 0.3235,
0.5765

■ 73.8165, 0.3188,
0.5851

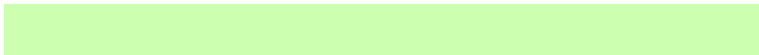
Harmonies

Analogous

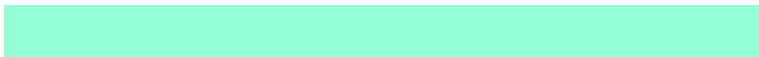
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4525, 0.3737, 0.4176



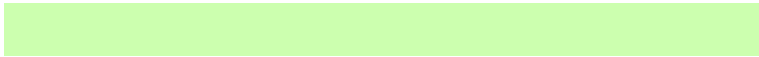
87.4525, 0.3262, 0.4171



87.4525, 0.2773, 0.3860

Triad

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



87.4525, 0.3262, 0.4171



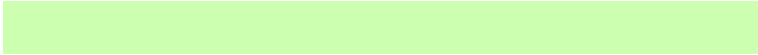
87.4525, 0.2256, 0.2589



87.4525, 0.3898, 0.3154

Complementary

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



87.4525, 0.3262, 0.4171



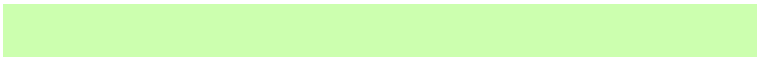
54.0417, 0.2937, 0.2452

Split Complementary

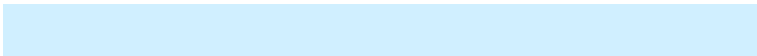
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4525, 0.3443, 0.2804



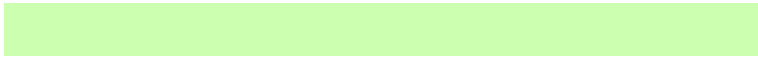
87.4525, 0.3262, 0.4171



87.4525, 0.2503, 0.2483

Square

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



87.4525, 0.3262, 0.4171



87.4525, 0.2218, 0.2895



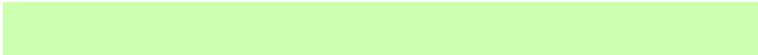
87.4525, 0.2927, 0.2564



87.4525, 0.4130, 0.3554

Rectangle

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



87.4525, 0.3262, 0.4171



87.4525, 0.2504, 0.3537



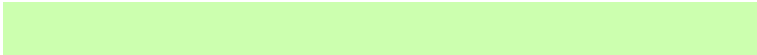
87.4525, 0.2927, 0.2564



87.4525, 0.3764, 0.3029

Sweetspot

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



87.4489, 0.3262, 0.4171



95.9386, 0.3168, 0.3518



78.5623, 0.3687, 0.3807



20.4019, 0.3175, 0.3557



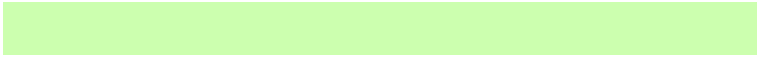
0.0000, 0.0000, 0.0000



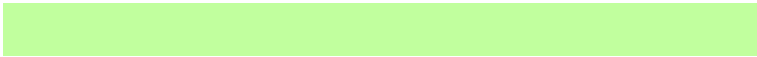
21.4041, 0.3127, 0.3290

Same Dimension

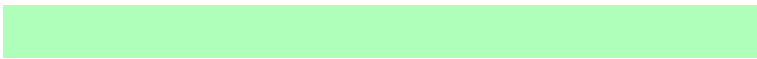
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4489, 0.3262, 0.4171



85.3579, 0.3284, 0.4381



84.1621, 0.3028, 0.4093



20.4885, 0.3171, 0.3532



38.6472, 0.3199, 0.5842



3.8220, 0.3285, 0.5773

Inverse Universe

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



54.0417, 0.2937, 0.2452



46.9054, 0.2885, 0.2264



58.4644, 0.3246, 0.2602



17.9520, 0.3080, 0.3052



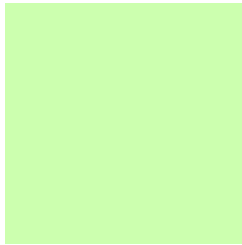
7.9060, 0.2314, 0.1049



0.8315, 0.2416, 0.1105

Previews

White Background



This preview shows how the Yxy color 87.4525, 0.3262, 0.4171 looks on a white background.

Color Contrast Check

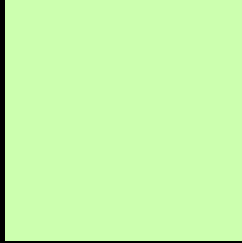
Large Text (above 18pt) WCAG AA × Fail

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 87.4525, 0.3262, 0.4171 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

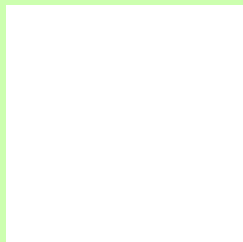
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4525, 0.3262, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 87.4525, 0.3262, 0.4171.

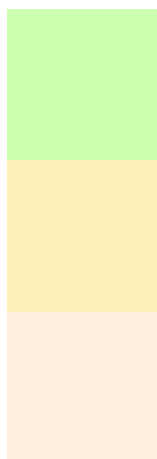


This preview shows how white text looks on a background with the Yxy color 87.4525, 0.3262, 0.4171.

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

87.4525, 0.3262, 0.4171

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

87.1023, 0.3345, 0.3439



Tritanopia

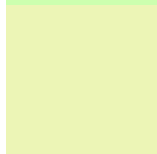
86.8930, 0.2950, 0.3158

Trichromacy



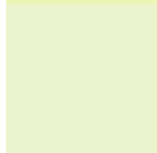
Original Color

87.4525, 0.3262, 0.4171



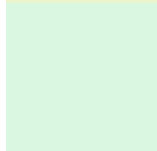
Protanomaly

86.5151, 0.3453, 0.3947



Deuteranomaly

86.9420, 0.3313, 0.3694



Tritanomaly

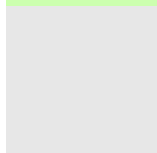
86.9179, 0.3066, 0.3511

Monochromacy



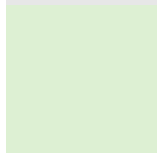
Original Color

87.4525, 0.3262, 0.4171



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3955, 0.3179, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4525, 0.3262, 0.4171 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(204, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 175)  
}
```

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(204, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 87.4525, 0.3262, 0.4171 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(204, 255, 175) }
```

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

```
.border{ border-color:rgb(204, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4525, 0.3262, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 175) }
```

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

```
.background{ background-color: rgb(204,  
255, 175) }
```

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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