

Converting Colors

Yxy(85.2715, 0.3431, 0.4559)

Have a look what the booklet for
Yxy(85.2715, 0.3431, 0.4559)
contains.

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Color

Yxy(85.1652, 0.3436, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	C9FE8B
RGB	201, 254, 139
RGB Percent	79%, 100%, 55%
CMY	0.2115, 0.0039, 0.4549
CMYK	0.21, 0.00, 0.45, 0.00
HSL	88°, 98%, 77%
HSV	88°, 45%, 100%
XYZ	64.2009, 85.1652, 37.4817
YIQ	225.0430, 5.3270, -47.0010

Conversions

Conversions Part 2

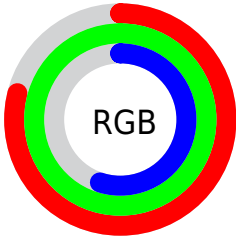
Format	Color
RYB	139, 254, 192
Decimal	13237899
CIELab	93.95, -35.24, 49.41
CIElCh	94, 60.686, 125.496
Yxy	85.1652, 0.3436, 0.4558
Android (android.graphics.Color)	4291427979 (0xFFC9FE8B)
YUV	225.0430, -42.4192, -21.0857
Hunter-Lab	92.2850, -37.3197, 40.5188

Details

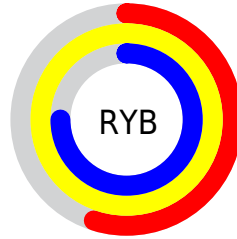
The Yxy color **85.1652, 0.3436, 0.4558** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.8209, 0.2655, 0.2002**, and the grayscale version is **75.6452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **46.6241, 0.3471, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **82.9507, 0.3478, 0.4846**, and if you desaturate by 10%, it is **87.6830, 0.3379, 0.4261**.

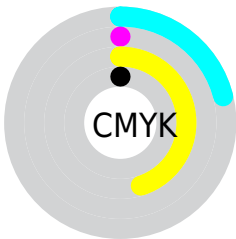
Distribution



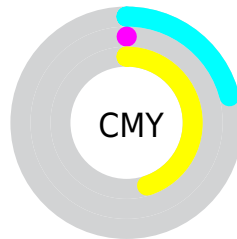
- Red (79%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1652, 0.3436, 0.4558 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 85.1652, 0.3436, 0.4558 by changing the saturation by 10% instead.

 85.1652, 0.3436,
0.4558


 85.1652, 0.3436,
0.4558

512.1745, 0.3324,
0.3963

 63.9779, 0.3453,
0.4693


 140.6040, 0.3404,
0.4352

 46.6328, 0.3469,
0.4857


 175.6242, 0.3389,
0.4272

 32.7454, 0.3482,
0.5063


 216.0242, 0.3376,
0.4202

 21.9315, 0.3485,
0.5323

262.1884, 0.3364,
0.4142

 13.8066, 0.3465,
0.5659

314.5011, 0.3352,
0.4089

 7.9863, 0.3399,
0.6113

373.3468, 0.3342,

 4.0862, 0.3235,

0.4042

439.1098, 0.3332,
0.4001

0.6765

1.7219, 0.2610,
0.7390

0.4378, 0.0000,
1.0000

85.1652, 0.3436,
0.4558

85.1652, 0.3436,
0.4558

82.9507, 0.3478,
0.4846

87.6830, 0.3379,
0.4261

81.0134, 0.3501,
0.5111

90.5066, 0.3313,
0.3966

79.3407, 0.3502,
0.5338

93.6521, 0.3241,
0.3684

77.9135, 0.3479,
0.5514

97.1316, 0.3166,
0.3421

■ 76.7092, 0.3434,
0.5634

99.3593, 0.3128,
0.3280

■ 76.2031, 0.3409,
0.5676

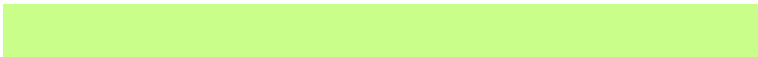
Harmonies

Analogous

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



85.1652, 0.4052, 0.4424



85.1652, 0.3436, 0.4558



85.1652, 0.2771, 0.4227

Triad

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



85.1652, 0.3436, 0.4558



85.1652, 0.1944, 0.2409



85.1652, 0.4062, 0.2982

Complementary

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



85.1652, 0.3436, 0.4558



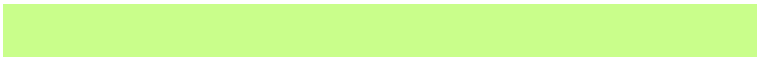
36.8209, 0.2655, 0.2002

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.



85.1652, 0.3387, 0.2560



85.1652, 0.3436, 0.4558



85.1652, 0.2199, 0.2231

Square

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



85.1652, 0.3436, 0.4558



85.1652, 0.1952, 0.2858



85.1652, 0.2703, 0.2294



85.1652, 0.4463, 0.3488

Rectangle

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



85.1652, 0.3436, 0.4558



85.1652, 0.2390, 0.3788



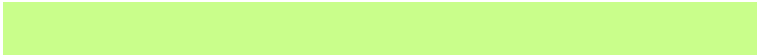
85.1652, 0.2703, 0.2294



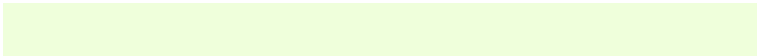
85.1652, 0.3854, 0.2828

Sweetspot

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



85.1689, 0.3436, 0.4558



94.9254, 0.3231, 0.3650



60.0863, 0.4087, 0.3831



20.1633, 0.3247, 0.3709



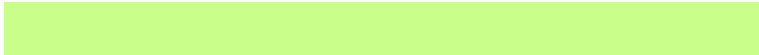
0.0000, 0.0000, 0.0000



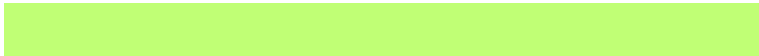
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1689, 0.3436, 0.4558



83.9668, 0.3474, 0.4811



78.7410, 0.3091, 0.4704



20.6509, 0.3198, 0.3530



40.2665, 0.3420, 0.5667



3.9856, 0.3503, 0.5601

Inverse Universe

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



36.8209, 0.2655, 0.2002



29.7991, 0.2535, 0.1740



45.6231, 0.3130, 0.2166



17.7874, 0.3051, 0.3049



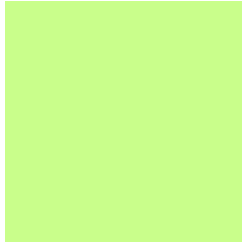
5.8495, 0.1946, 0.0846



0.6336, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 85.1652, 0.3436, 0.4558 looks on a white background.

Color Contrast Check

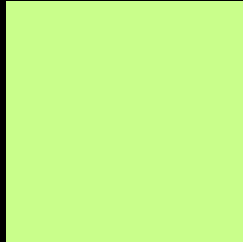
Large Text (above 18pt) WCAG AA × Fail

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 85.1652, 0.3436, 0.4558 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 85.1652, 0.3436, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 85.1652, 0.3436, 0.4558.

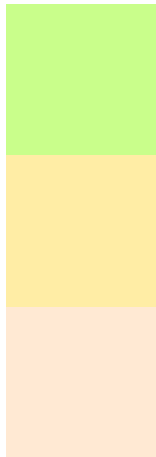


This preview shows how white text looks on a background with the Yxy color 85.1652, 0.3436, 0.4558.

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

85.1652, 0.3436, 0.4558

Protanopia

84.5450, 0.3718, 0.4014

Deuteranopia

84.2410, 0.3423, 0.3511



Tritanopia

85.0698, 0.2925, 0.3136

Trichromacy



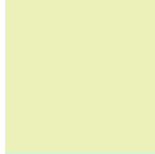
Original Color

85.1652, 0.3436, 0.4558



Protanomaly

84.1637, 0.3609, 0.4201



Deuteranomaly

84.0755, 0.3436, 0.3879



Tritanomaly

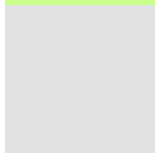
84.4051, 0.3117, 0.3635

Monochromacy



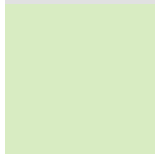
Original Color

85.1652, 0.3436, 0.4558



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.4849, 0.3254, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1652, 0.3436, 0.4558 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(201, 254, 139)` looks like.

```
.text, #text, p{  
    color:rgb(201, 254, 139)  
}
```

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(201, 254, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 254, 139) }
```

Border

The CSS property to change the border of an element to Yxy 85.1652, 0.3436, 0.4558 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(201, 254, 139) }
```

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

```
.border{ border-color:rgb(201, 254, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 254, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 254, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 254, 139);  
box-shadow:4px 4px 4px 4px rgb(201, 254,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1652, 0.3436, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 254, 139) }
```

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

```
.background{ background-color: rgb(201,  
254, 139) }
```

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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