

Converting Colors

$Yxy(85.3510, 0.3370, 0.4513)$

Have a look what the booklet for
Yxy(85.3510, 0.3370, 0.4513)
contains.

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Color

Yxy(85.3001, 0.3370, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	C4FF91
RGB	196, 255, 145
RGB Percent	77%, 100%, 57%
CMY	0.2313, 0.0000, 0.4313
CMYK	0.23, 0.00, 0.43, 0.00
HSL	92°, 100%, 78%
HSV	92°, 43%, 100%
XYZ	63.6399, 85.3001, 39.9024
YIQ	224.8190, 0.1460, -46.7180

Conversions

Conversions Part 2

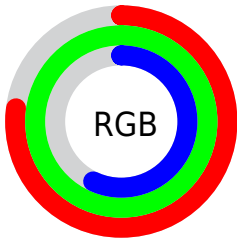
Format	Color
RYB	145, 255, 204
Decimal	12910481
CIELab	94.01, -36.77, 46.55
CIElCh	94, 59.323, 128.303
Yxy	85.3001, 0.3370, 0.4517
Android (android.graphics.Color)	4291100561 (0xFFC4FF91)
YUV	224.8190, -39.3508, -25.2743
Hunter-Lab	92.3581, -38.6301, 39.0350

Details

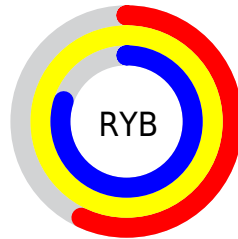
The Yxy color **85.3001, 0.3370, 0.4517** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.3113, 0.2750, 0.2089**, and the grayscale version is **75.4508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7610, 0.3447, 0.3831**, and **46.7363, 0.3393, 0.4814** is the 20% darker color. If you saturate the color by 10%, you get **82.8513, 0.3403, 0.4821**, and if you desaturate by 10%, it is **88.0983, 0.3324, 0.4210**.

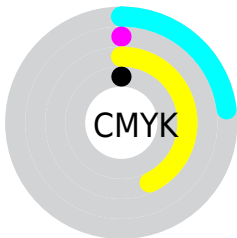
Distribution



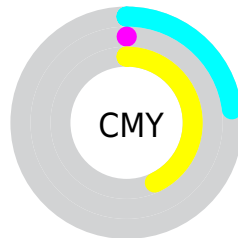
- Red (77%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (80%)



- Cyan (23%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3001, 0.3370, 0.4517 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 85.3001, 0.3370, 0.4517 by changing the saturation by 10% instead.


 85.3001, 0.3370,
0.4517

 85.3001, 0.3370,
0.4517


512.6206, 0.3285,
0.3939

 64.0894, 0.3382,
0.4649


 140.7924, 0.3347,
0.4316

 46.7231, 0.3392,
0.4811


 175.8427, 0.3336,
0.4238

 32.8168, 0.3398,
0.5014


216.2751, 0.3326,
0.4171

 21.9861, 0.3395,
0.5274

262.4738, 0.3316,
0.4112

 13.8467, 0.3369,
0.5614

314.8233, 0.3307,
0.4061

 8.0141, 0.3291,
0.6069

373.7080, 0.3299,

 4.1040, 0.3165,

0.4016

439.5123, 0.3292,
0.3975

0.6835

1.7319, 0.2498,
0.7502

0.4442, 0.0000,
1.0000

85.3001, 0.3370,
0.4517

85.3001, 0.3370,
0.4517

82.8513, 0.3403,
0.4821

88.0983, 0.3324,
0.4210

80.7269, 0.3420,
0.5105

91.2525, 0.3269,
0.3911

78.9117, 0.3415,
0.5354

94.7796, 0.3208,
0.3628

77.3853, 0.3390,
0.5553

98.6929, 0.3147,
0.3367

■ 76.1238, 0.3344,
0.5693

100.0000, 0.3127,
0.3290

■ 75.3894, 0.3305,
0.5758

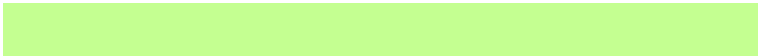
Harmonies

Analogous

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



85.3001, 0.3985, 0.4428



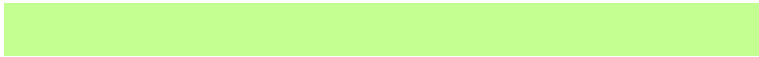
85.3001, 0.3370, 0.4517



85.3001, 0.2723, 0.4151

Triad

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



85.3001, 0.3370, 0.4517



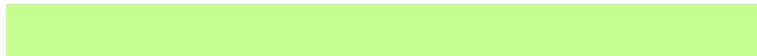
85.3001, 0.1980, 0.2401



85.3001, 0.4092, 0.3033

Complementary

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



85.3001, 0.3370, 0.4517



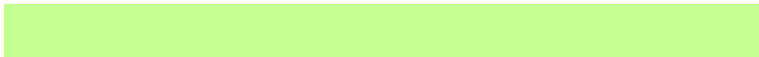
40.3113, 0.2750, 0.2089

Split Complementary

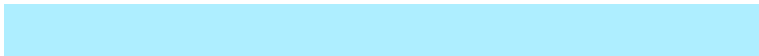
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3001, 0.3448, 0.2608



85.3001, 0.3370, 0.4517



85.3001, 0.2255, 0.2248

Square

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



85.3001, 0.3370, 0.4517



85.3001, 0.1964, 0.2817



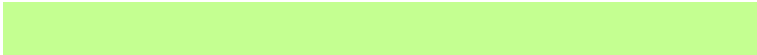
85.3001, 0.2770, 0.2330



85.3001, 0.4449, 0.3535

Rectangle

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



85.3001, 0.3370, 0.4517



85.3001, 0.2362, 0.3710



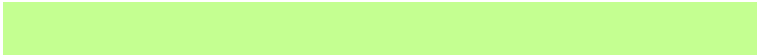
85.3001, 0.2770, 0.2330



85.3001, 0.3897, 0.2879

Sweetspot

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



85.3030, 0.3370, 0.4517



94.8288, 0.3208, 0.3624



66.3350, 0.3987, 0.3897



20.1234, 0.3221, 0.3685



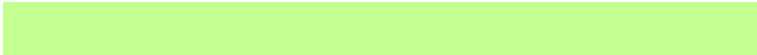
0.0000, 0.0000, 0.0000



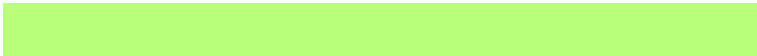
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3030, 0.3370, 0.4517



83.1121, 0.3400, 0.4787



79.7006, 0.3047, 0.4595



20.5809, 0.3186, 0.3531



39.4793, 0.3316, 0.5749



3.9082, 0.3404, 0.5680

Inverse Universe

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



40.3113, 0.2750, 0.2089



32.6418, 0.2647, 0.1831



48.5008, 0.3207, 0.2260



17.8574, 0.3063, 0.3050



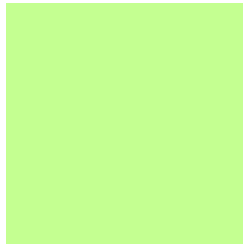
6.6302, 0.2093, 0.0927



0.7106, 0.2212, 0.0992

Previews

White Background



This preview shows how the Yxy color 85.3001, 0.3370, 0.4517 looks on a white background.

Color Contrast Check

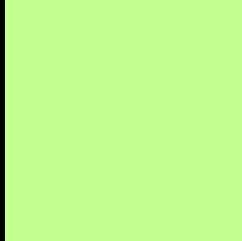
Large Text (above 18pt) WCAG AA × Fail

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 85.3001, 0.3370, 0.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

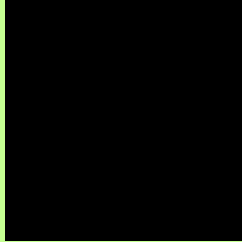
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3001, 0.3370, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 85.3001, 0.3370, 0.4517.

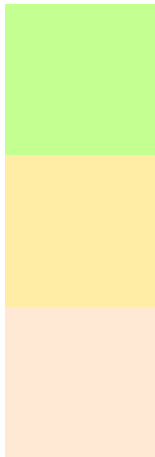


This preview shows how white text looks on a background with the Yxy color 85.3001, 0.3370, 0.4517.

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

85.3001, 0.3370, 0.4517

Protanopia

84.5815, 0.3711, 0.4004

Deuteranopia

84.2913, 0.3417, 0.3501



Tritanopia

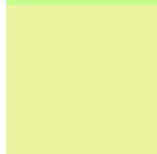
84.6002, 0.2906, 0.3135

Trichromacy



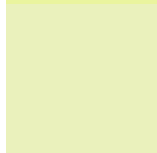
Original Color

85.3001, 0.3370, 0.4517



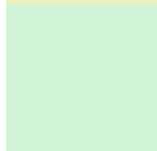
Protanomaly

84.6624, 0.3587, 0.4191



Deuteranomaly

84.0339, 0.3410, 0.3848



Tritanomaly

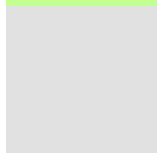
84.0600, 0.3086, 0.3614

Monochromacy



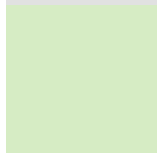
Original Color

85.3001, 0.3370, 0.4517



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2726, 0.3228, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3001, 0.3370, 0.4517 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(196, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 145)  
}
```

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(196, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 85.3001, 0.3370, 0.4517 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(196, 255, 145) }
```

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

```
.border{ border-color:rgb(196, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3001, 0.3370, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 145) }
```

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

```
.background{ background-color: rgb(196,  
255, 145) }
```

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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