

Converting Colors

$Yxy(90.1429, 0.3307, 0.4566)$

Have a look what the booklet for
Yxy(90.1429, 0.3307, 0.4566)
contains.

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Color

Yxy(84.7345, 0.3322, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF94
RGB	191, 255, 148
RGB Percent	75%, 100%, 58%
CMY	0.2512, 0.0000, 0.4197
CMYK	0.25, 0.00, 0.42, 0.00
HSL	96°, 100%, 79%
HSV	96°, 42%, 100%
XYZ	62.5807, 84.7345, 41.0674
YIQ	223.6660, -3.7970, -46.8450

Conversions

Conversions Part 2

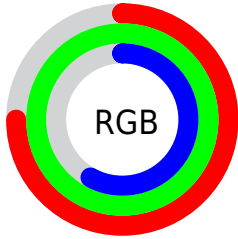
Format	Color
RYB	148, 255, 212
Decimal	12582804
CIELab	93.77, -38.16, 44.75
CIElCh	94, 58.813, 130.453
Yxy	84.7345, 0.3322, 0.4498
Android (android.graphics.Color)	4290772884 (0xFFBFFF94)
YUV	223.6660, -37.3033, -28.6481
Hunter-Lab	92.0513, -39.7374, 37.9845

Details

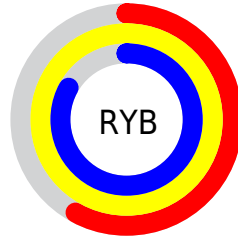
The Yxy color **84.7345, 0.3322, 0.4498** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.3983, 0.2817, 0.2141**, and the grayscale version is **74.5506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9715, 0.3396, 0.3807**, and **46.3653, 0.3335, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **82.1309, 0.3348, 0.4812**, and if you desaturate by 10%, it is **87.7082, 0.3285, 0.4183**.

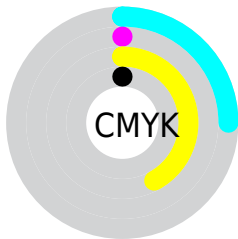
Distribution



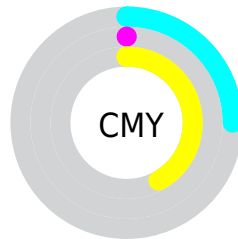
- Red (75%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7345, 0.3322, 0.4498 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 84.7345, 0.3322, 0.4498 by changing the saturation by 10% instead.


 84.7345, 0.3322,
0.4498


 84.7345, 0.3322,
0.4498


510.7491, 0.3258,
0.3927

 63.6220, 0.3330,
0.4629


 140.0022, 0.3305,
0.4299

 46.3446, 0.3335,
0.4791

 174.9262, 0.3297,
0.4221

 32.5178, 0.3336,
0.4995


215.2228, 0.3289,
0.4155

 21.7573, 0.3326,
0.5257

261.2764, 0.3282,
0.4097

 13.6787, 0.3292,
0.5603

313.4715, 0.3275,
0.4047

 7.8975, 0.3206,
0.6070

372.1924, 0.3269,

 4.0295, 0.3087,

0.4002

0.6913

437.8234, 0.3263,
0.3962

1.6901, 0.2343,
0.7657

0.4172, 0.0000,
1.0000

84.7345, 0.3322,
0.4498

84.7345, 0.3322,
0.4498

82.1309, 0.3348,
0.4812

87.7082, 0.3285,
0.4183

79.9003, 0.3358,
0.5110

91.0897, 0.3239,
0.3881

78.0157, 0.3349,
0.5374

94.8876, 0.3189,
0.3598

76.4551, 0.3321,
0.5587

99.1167, 0.3137,
0.3338

■ 75.1926, 0.3275,
0.5738

100.0000, 0.3127,
0.3290

■ 74.3668, 0.3230,
0.5818

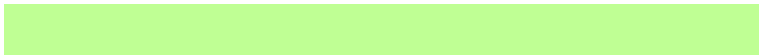
Harmonies

Analogous

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



84.7345, 0.3941, 0.4440



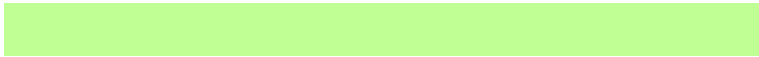
84.7345, 0.3322, 0.4498



84.7345, 0.2683, 0.4103

Triad

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



84.7345, 0.3322, 0.4498



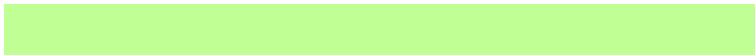
84.7345, 0.1997, 0.2387



84.7345, 0.4123, 0.3069

Complementary

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



84.7345, 0.3322, 0.4498



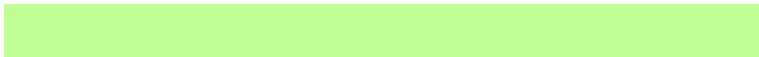
42.3983, 0.2817, 0.2141

Split Complementary

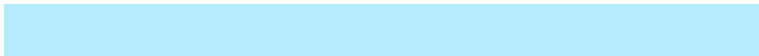
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7345, 0.3496, 0.2638



84.7345, 0.3322, 0.4498



84.7345, 0.2289, 0.2253

Square

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



84.7345, 0.3322, 0.4498



84.7345, 0.1963, 0.2782



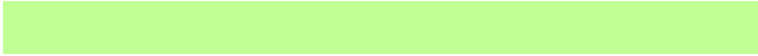
84.7345, 0.2817, 0.2349



84.7345, 0.4451, 0.3571

Rectangle

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



84.7345, 0.3322, 0.4498



84.7345, 0.2334, 0.3656



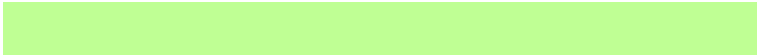
84.7345, 0.2817, 0.2349



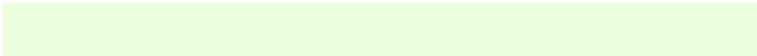
84.7345, 0.3936, 0.2914

Sweetspot

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



84.7276, 0.3322, 0.4498



94.4751, 0.3195, 0.3626



69.6942, 0.3935, 0.3933



20.0364, 0.3206, 0.3687



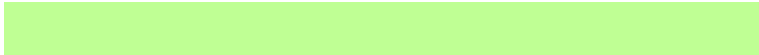
0.0000, 0.0000, 0.0000



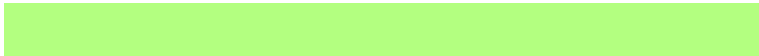
21.4041, 0.3127, 0.3290

Same Dimension

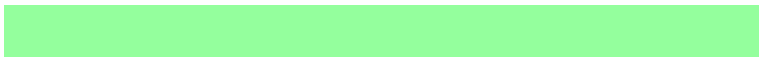
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7276, 0.3322, 0.4498



82.6119, 0.3344, 0.4751



80.2458, 0.3023, 0.4488



20.5240, 0.3177, 0.3531



38.9395, 0.3241, 0.5809



3.8530, 0.3329, 0.5739

Inverse Universe

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



42.3983, 0.2817, 0.2141



35.3391, 0.2738, 0.1914



49.0946, 0.3250, 0.2330



17.9154, 0.3073, 0.3051



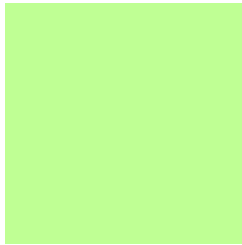
7.3815, 0.2226, 0.1000



0.7824, 0.2335, 0.1060

Previews

White Background



This preview shows how the Yxy color 84.7345, 0.3322, 0.4498 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 84.7345, 0.3322, 0.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

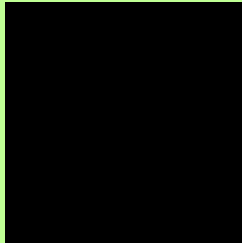
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7345, 0.3322, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 84.7345, 0.3322, 0.4498.

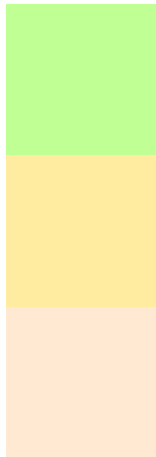


This preview shows how white text looks on a background with the Yxy color 84.7345, 0.3322, 0.4498.

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

84.7345, 0.3322, 0.4498

Protanopia

83.8241, 0.3747, 0.4044

Deuteranopia

84.2410, 0.3423, 0.3511



Tritanopia

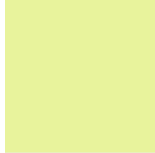
84.1391, 0.2888, 0.3134

Trichromacy



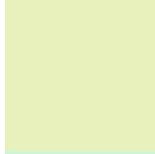
Original Color

84.7345, 0.3322, 0.4498



Protanomaly

83.6573, 0.3588, 0.4208



Deuteranomaly

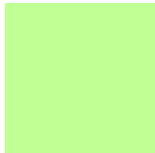
83.6972, 0.3396, 0.3851



Tritanomaly

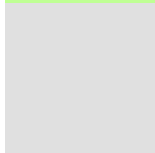
83.5281, 0.3055, 0.3606

Monochromacy



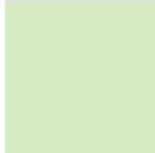
Original Color

84.7345, 0.3322, 0.4498



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3992, 0.3215, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7345, 0.3322, 0.4498 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(191, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 148)  
}
```

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(191, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 84.7345, 0.3322, 0.4498 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(191, 255, 148) }
```

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

```
.border{ border-color:rgb(191, 255, 148) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7345, 0.3322, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 148) }
```

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

```
.background{ background-color: rgb(191,  
255, 148) }
```

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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