

Converting Colors

$Y_{xy}(103.9272, 0.3422, 0.4399)$

Have a look what the booklet for
Yxy(103.9272, 0.3422, 0.4399)
contains.

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Color

Yxy(90.5675, 0.3469, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFA5
RGB	227, 255, 165
RGB Percent	89%, 100%, 65%
CMY	0.1100, 0.0000, 0.3529
CMYK	0.11, 0.00, 0.35, 0.00
HSL	79°, 100%, 82%
HSV	79°, 35%, 100%
XYZ	74.2213, 90.5675, 49.1670
YIQ	236.3680, 12.2020, -33.9260

Conversions

Conversions Part 2

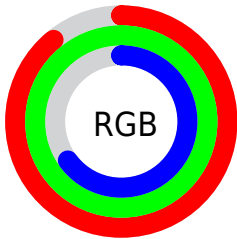
Format	Color
RYB	165, 255, 193
Decimal	14942117
CIELab	96.23, -23.32, 40.06
CIELCh	96, 46.359, 120.206
Yxy	90.5675, 0.3469, 0.4233
Android (android.graphics.Color)	4293132197 (0xFFE3FFA5)
YUV	236.3680, -35.1844, -8.2157
Hunter-Lab	95.1670, -27.3290, 35.9853

Details

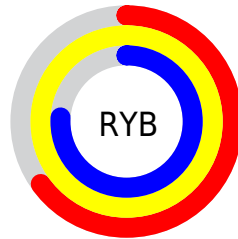
The Yxy color **90.5675, 0.3469, 0.4233** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.4743, 0.2681, 0.2279**, and the grayscale version is **84.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **50.2159, 0.3531, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **88.4617, 0.3552, 0.4510**, and if you desaturate by 10%, it is **92.9061, 0.3376, 0.3953**.

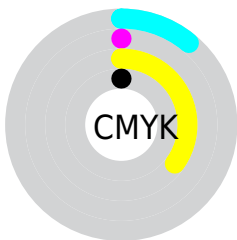
Distribution



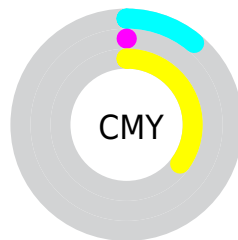
- Red (89%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5675, 0.3469, 0.4233 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 90.5675, 0.3469, 0.4233 by changing the saturation by 10% instead.


 90.5675, 0.3469,
0.4233


 90.5675, 0.3469,
0.4233

529.8752, 0.3330,
0.3801

 68.4514, 0.3496,
0.4330


 148.1264, 0.3425,
0.4085

 50.2651, 0.3526,
0.4447


 184.3381, 0.3407,
0.4026

 35.6241, 0.3560,
0.4594


226.0170, 0.3390,
0.3976

 24.1440, 0.3596,
0.4780

273.5477, 0.3376,
0.3932

 15.4405, 0.3633,
0.5022

327.3144, 0.3362,
0.3893

 9.1291, 0.3659,
0.5345

387.7016, 0.3351,

 4.8255, 0.3695,

0.3859

0.5866

455.0938, 0.3340,
0.3828

■ 2.1452, 0.3539,
0.6461

■ 0.6899, 0.1112,
0.8888

■ 90.5675, 0.3469,
0.4233

■ 90.5675, 0.3469,
0.4233

■ 88.4617, 0.3552,
0.4510

■ 92.9061, 0.3376,
0.3953

■ 86.5948, 0.3620,
0.4772

■ 95.5062, 0.3278,
0.3681

■ 84.9477, 0.3668,
0.5008

■ 98.3722, 0.3179,
0.3421

■ 83.5057, 0.3691,
0.5206

100.0000, 0.3127,
0.3290

■ 82.2520, 0.3689,
0.5355

■ 81.1657, 0.3662,
0.5455

■ 80.6986, 0.3643,
0.5489

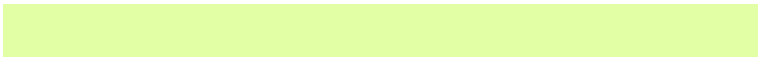
Harmonies

Analogous

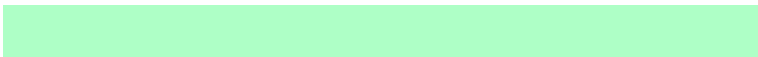
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5675, 0.3910, 0.4118



90.5675, 0.3469, 0.4233



90.5675, 0.2957, 0.4037

Triad

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



90.5675, 0.3469, 0.4233



90.5675, 0.2195, 0.2674



90.5675, 0.3748, 0.2997

Complementary

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



90.5675, 0.3469, 0.4233



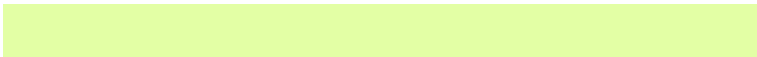
45.4743, 0.2681, 0.2279

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.



90.5675, 0.3235, 0.2678



90.5675, 0.3469, 0.4233



90.5675, 0.2364, 0.2484

Square

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



90.5675, 0.3469, 0.4233



90.5675, 0.2246, 0.3063



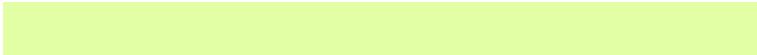
90.5675, 0.2730, 0.2494



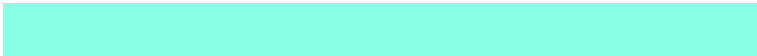
90.5675, 0.4094, 0.3393

Rectangle

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



90.5675, 0.3469, 0.4233



90.5675, 0.2647, 0.3750



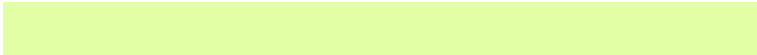
90.5675, 0.2730, 0.2494



90.5675, 0.3587, 0.2879

Sweetspot

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



90.5615, 0.3469, 0.4233



96.7034, 0.3236, 0.3567



61.6771, 0.3876, 0.3575



20.6164, 0.3249, 0.3603



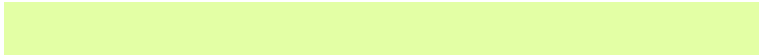
0.0000, 0.0000, 0.0000



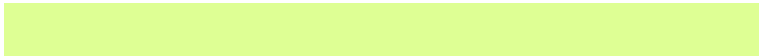
21.4041, 0.3127, 0.3290

Same Dimension

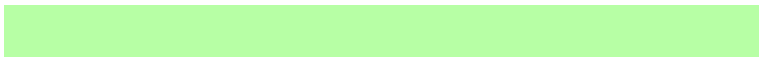
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5615, 0.3469, 0.4233



89.1268, 0.3526, 0.4419



84.3043, 0.3184, 0.4324



20.7903, 0.3221, 0.3528



42.2496, 0.3652, 0.5482



4.1717, 0.3715, 0.5432

Inverse Universe

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



45.4743, 0.2681, 0.2279



38.2244, 0.2575, 0.2061



52.1361, 0.3023, 0.2373



17.6522, 0.3027, 0.3048



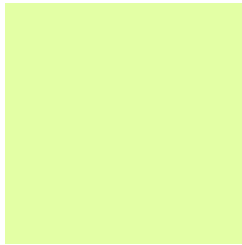
4.7203, 0.1714, 0.0718



0.5146, 0.1833, 0.0784

Previews

White Background



This preview shows how the Yxy color 90.5675, 0.3469, 0.4233 looks on a white background.

Color Contrast Check

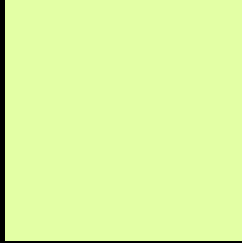
Large Text (above 18pt) WCAG AA × Fail

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 90.5675, 0.3469, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

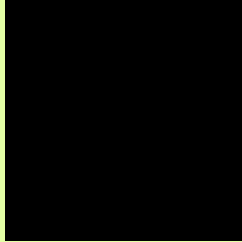
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

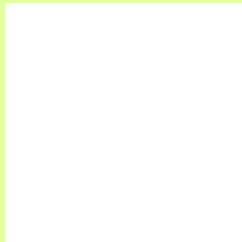
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5675, 0.3469, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 90.5675, 0.3469, 0.4233.

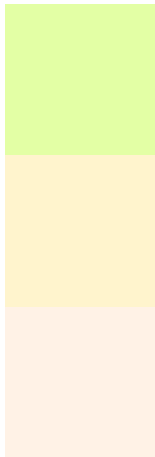


This preview shows how white text looks on a background with the Yxy color 90.5675, 0.3469, 0.4233.

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

90.5675, 0.3469, 0.4233

Protanopia

90.3691, 0.3443, 0.3678

Deuteranopia

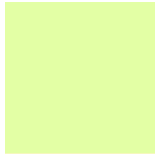
90.4774, 0.3287, 0.3408



Tritanopia

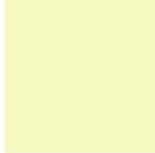
90.1984, 0.3050, 0.3172

Trichromacy



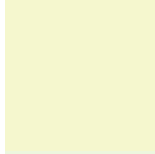
Original Color

90.5675, 0.3469, 0.4233



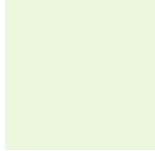
Protanomaly

90.2650, 0.3460, 0.3879



Deuteranomaly

90.3902, 0.3364, 0.3705



Tritanomaly

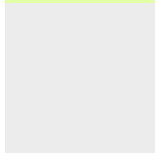
89.8000, 0.3212, 0.3545

Monochromacy



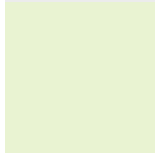
Original Color

90.5675, 0.3469, 0.4233



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.0780, 0.3263, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5675, 0.3469, 0.4233 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(227, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 165)  
}
```

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(227, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 90.5675, 0.3469, 0.4233 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(227, 255, 165) }
```

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

```
.border{ border-color:rgb(227, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5675, 0.3469, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 165) }
```

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

```
.background{ background-color: rgb(227,  
255, 165) }
```

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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