

Converting Colors

$Y_{xy}(100.0000, 0.3483, 0.4449)$

Have a look what the booklet for
Yxy(100.0000, 0.3483, 0.4449)
contains.

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Color

Yxy(90.2512, 0.3519, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF9C
RGB	227, 255, 156
RGB Percent	89%, 100%, 61%
CMY	0.1099, 0.0000, 0.3883
CMYK	0.11, 0.00, 0.39, 0.00
HSL	77°, 100%, 81%
HSV	77°, 39%, 100%
XYZ	73.4321, 90.2512, 44.9900
YIQ	235.3420, 15.0910, -36.7250

Conversions

Conversions Part 2

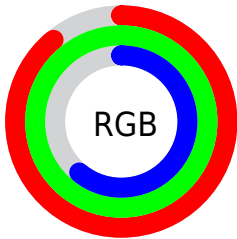
Format	Color
RYB	156, 255, 184
Decimal	14942108
CIELab	96.10, -24.40, 44.31
CIELCh	96, 50.586, 118.836
Yxy	90.2512, 0.3519, 0.4325
Android (android.graphics.Color)	4293132188 (0xFFE3FF9C)
YUV	235.3420, -39.1156, -7.3159
Hunter-Lab	95.0006, -28.2769, 38.4222

Details

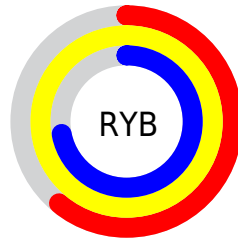
The Yxy color **90.2512, 0.3519, 0.4325** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.1785, 0.2605, 0.2158**, and the grayscale version is **83.6390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **49.9135, 0.3581, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **88.3230, 0.3602, 0.4594**, and if you desaturate by 10%, it is **92.4010, 0.3424, 0.4049**.

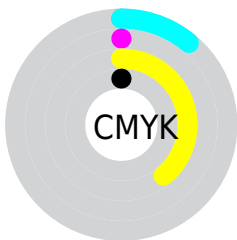
Distribution



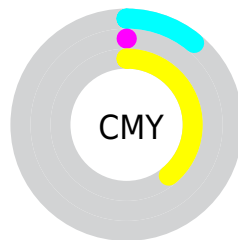
- Red (89%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (72%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2512, 0.3519, 0.4325 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 90.2512, 0.3519, 0.4325 by changing the saturation by 10% instead.


 90.2512, 0.3519,
0.4325


 90.2512, 0.3519,
0.4325


528.8477, 0.3361,
0.3851

 68.1890, 0.3549,
0.4430


 147.6873, 0.3469,
0.4163

 50.0515, 0.3582,
0.4558


 183.8299, 0.3448,
0.4099

 35.4543, 0.3618,
0.4717


225.4349, 0.3430,
0.4043

 24.0131, 0.3657,
0.4917

272.8865, 0.3413,
0.3995

 15.3433, 0.3692,
0.5174

326.5692, 0.3398,
0.3953

 9.0607, 0.3709,
0.5510

386.8674, 0.3385,

 4.7808, 0.3790,

0.3915

0.6149

454.1654, 0.3372,
0.3881

■ 2.1192, 0.3469,
0.6531

■ 0.6754, 0.0642,
0.9358

■ 90.2512, 0.3519,
0.4325

■ 90.2512, 0.3519,
0.4325

■ 88.3230, 0.3602,
0.4594

■ 92.4010, 0.3424,
0.4049

■ 86.6177, 0.3669,
0.4843

■ 94.7967, 0.3322,
0.3775

■ 85.1175, 0.3713,
0.5061

■ 97.4442, 0.3218,
0.3511

■ 83.8073, 0.3732,
0.5236

100.0000, 0.3127,
0.3290

■ 82.6692, 0.3726,
0.5362

■ 81.6776, 0.3696,
0.5443

■ 81.5676, 0.3692,
0.5451

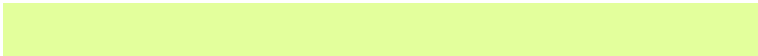
Harmonies

Analogous

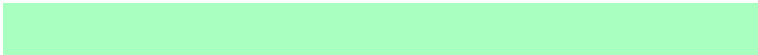
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2512, 0.3994, 0.4176



90.2512, 0.3519, 0.4325



90.2512, 0.2963, 0.4131

Triad

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



90.2512, 0.3519, 0.4325



90.2512, 0.2116, 0.2631



90.2512, 0.3782, 0.2952

Complementary

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



90.2512, 0.3519, 0.4325



41.1785, 0.2605, 0.2158

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.



90.2512, 0.3216, 0.2616



90.2512, 0.3519, 0.4325



90.2512, 0.2286, 0.2421

Square

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



90.2512, 0.3519, 0.4325



90.2512, 0.2180, 0.3060



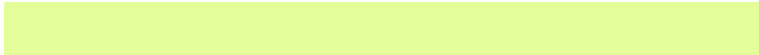
90.2512, 0.2672, 0.2425



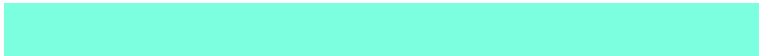
90.2512, 0.4174, 0.3375

Rectangle

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



90.2512, 0.3519, 0.4325



90.2512, 0.2623, 0.3819



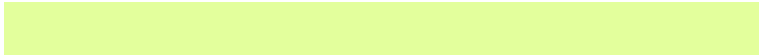
90.2512, 0.2672, 0.2425



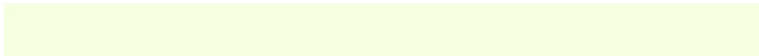
90.2512, 0.3603, 0.2827

Sweetspot

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



90.2467, 0.3519, 0.4325



96.5781, 0.3251, 0.3593



57.2718, 0.3992, 0.3570



20.5968, 0.3265, 0.3627



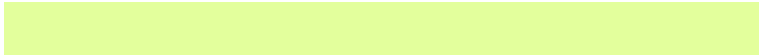
0.0000, 0.0000, 0.0000



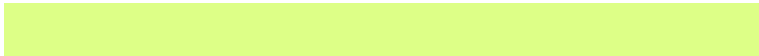
21.4041, 0.3127, 0.3290

Same Dimension

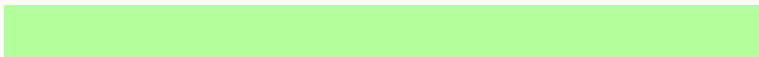
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2467, 0.3519, 0.4325



88.6589, 0.3588, 0.4545



83.5128, 0.3207, 0.4436



20.8173, 0.3225, 0.3528



42.7001, 0.3700, 0.5444



4.2128, 0.3758, 0.5398

Inverse Universe

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



41.1785, 0.2605, 0.2158



33.0321, 0.2466, 0.1889



48.1266, 0.2982, 0.2271



17.6266, 0.3023, 0.3047



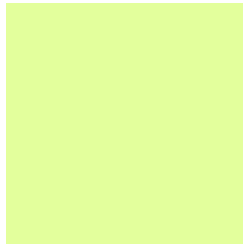
4.5602, 0.1679, 0.0699



0.4963, 0.1794, 0.0762

Previews

White Background



This preview shows how the Yxy color 90.2512, 0.3519, 0.4325 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 90.2512, 0.3519, 0.4325 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 90.2512, 0.3519, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 90.2512, 0.3519, 0.4325.

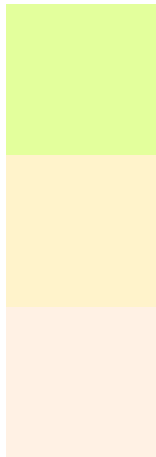


This preview shows how white text looks on a background with the Yxy color 90.2512, 0.3519, 0.4325.

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

90.2512, 0.3519, 0.4325

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

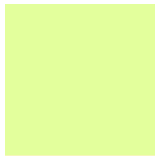
89.7720, 0.3301, 0.3418



Tritanopia

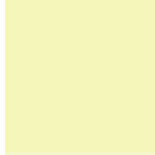
90.1984, 0.3050, 0.3172

Trichromacy



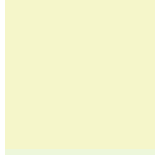
Original Color

90.2512, 0.3519, 0.4325



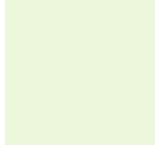
Protanomaly

89.4792, 0.3487, 0.3911



Deuteranomaly

89.5883, 0.3390, 0.3737



Tritanomaly

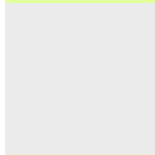
89.6405, 0.3230, 0.3576

Monochromacy



Original Color

90.2512, 0.3519, 0.4325



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.1163, 0.3282, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2512, 0.3519, 0.4325 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 90.2512, 0.3519, 0.4325 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, 156) }
```

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

```
.border{ border-color:rgb(227, 255, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2512, 0.3519, 0.4325 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, 156) }
```

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

```
.background{ background-color: rgb(227,  
255, 156) }
```

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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