

Converting Colors

$Y_{xy}(90.2702, 0.3540, 0.4353)$

Have a look what the booklet for
Yxy(90.2702, 0.3540, 0.4353)
contains.

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Color

Yxy(90.3139, 0.3542, 0.4352)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E4FF99 |
| RGB | 228, 255, 153 |
| RGB Percent | 89%, 100%, 60% |
| CMY | 0.1059, 0.0000, 0.3999 |
| CMYK | 0.11, 0.00, 0.40, 0.00 |
| HSL | 76°, 100%, 80% |
| HSV | 76°, 40%, 100% |
| XYZ | 73.5046, 90.3139, 43.7043 |
| YIQ | 235.2990, 16.6500, -37.4460 |

Conversions

Conversions Part 2

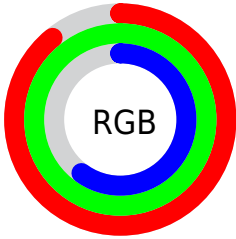
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 153, 255, 180 |
| Decimal | 15007641 |
| CIELab | 96.13, -24.36, 45.79 |
| CIELCh | 96, 51.867, 118.011 |
| Yxy | 90.3139, 0.3542, 0.4352 |
| Android (android.graphics.Color) | 4293197721 (0xFFE4FF99) |
| YUV | 235.2990, -40.5734, -6.4012 |
| Hunter-Lab | 95.0336, -28.2465, 39.2571 |

Details

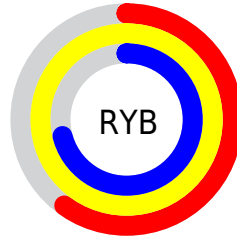
The Yxy color **90.3139, 0.3542, 0.4352** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.7172, 0.2572, 0.2116**, and the grayscale version is **83.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **49.9662, 0.3608, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **88.4759, 0.3627, 0.4616**, and if you desaturate by 10%, it is **92.3745, 0.3445, 0.4078**.

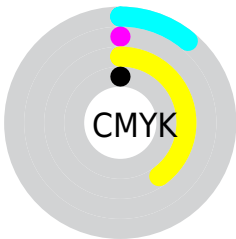
Distribution



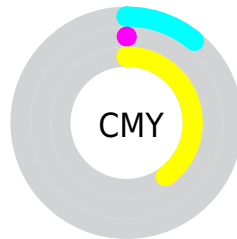
- Red (89%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3139, 0.3542, 0.4352 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 90.3139, 0.3542, 0.4352 by changing the saturation by 10% instead.


 90.3139, 0.3542,
0.4352

 90.3139, 0.3542,
0.4352


529.0514, 0.3375,
0.3866

 68.2410, 0.3573,
0.4460


 147.7743, 0.3490,
0.4186

 50.0938, 0.3608,
0.4590


 183.9307, 0.3468,
0.4120

 35.4880, 0.3646,
0.4751


225.5503, 0.3448,
0.4064

 24.0390, 0.3686,
0.4954

273.0176, 0.3430,
0.4014

 15.3626, 0.3722,
0.5213

326.7170, 0.3414,
0.3971

 9.0742, 0.3738,
0.5549

387.0328, 0.3400,

 4.7896, 0.3816,

0.3932

0.6184

454.3495, 0.3387,
0.3897

■ 2.1244, 0.3472,
0.6528

■ 0.6783, 0.0687,
0.9313

■ 90.3139, 0.3542,
0.4352

■ 90.3139, 0.3542,
0.4352

■ 88.4759, 0.3627,
0.4616

■ 92.3745, 0.3445,
0.4078

■ 86.8494, 0.3694,
0.4859


■ 94.6697, 0.3340,
0.3805

■ 85.4205, 0.3739,
0.5068

■ 97.2092, 0.3233,
0.3540

■ 84.1741, 0.3758,
0.5234

100.0000, 0.3127,
0.3290

 83.0920, 0.3752,
0.5352

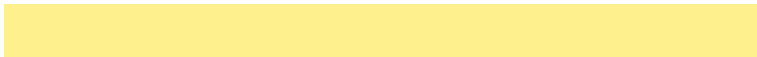
 82.1448, 0.3723,
0.5426

 82.1440, 0.3723,
0.5426

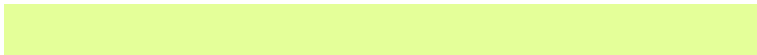
Harmonies

Analogous

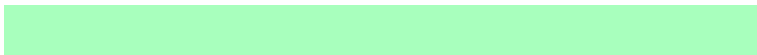
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3139, 0.4025, 0.4188



90.3139, 0.3542, 0.4352



90.3139, 0.2973, 0.4164

Triad

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



90.3139, 0.3542, 0.4352



90.3139, 0.2092, 0.2624



90.3139, 0.3784, 0.2933

Complementary

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



90.3139, 0.3542, 0.4352



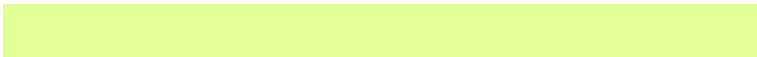
39.7172, 0.2572, 0.2116

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.



90.3139, 0.3201, 0.2593



90.3139, 0.3542, 0.4352



90.3139, 0.2259, 0.2404

Square

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



90.3139, 0.3542, 0.4352



90.3139, 0.2163, 0.3068



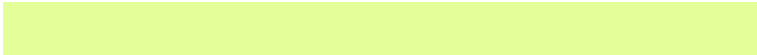
90.3139, 0.2647, 0.2403



90.3139, 0.4193, 0.3363

Rectangle

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



90.3139, 0.3542, 0.4352



90.3139, 0.2623, 0.3849



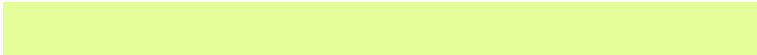
90.3139, 0.2647, 0.2403



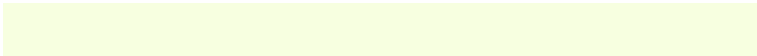
90.3139, 0.3598, 0.2806

Sweetspot

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



90.3136, 0.3542, 0.4352



96.6788, 0.3255, 0.3592



55.6080, 0.4035, 0.3560



20.6206, 0.3269, 0.3627



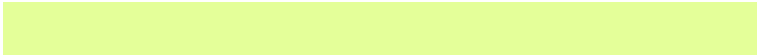
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

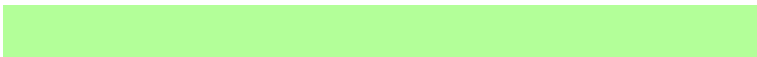
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3136, 0.3542, 0.4352



88.8245, 0.3611, 0.4565



83.3471, 0.3218, 0.4471



20.8346, 0.3228, 0.3528



42.9986, 0.3731, 0.5420



4.2398, 0.3786, 0.5376

Inverse Universe

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



39.7172, 0.2572, 0.2116



31.8867, 0.2431, 0.1850



46.7516, 0.2962, 0.2236



17.6103, 0.3020, 0.3047



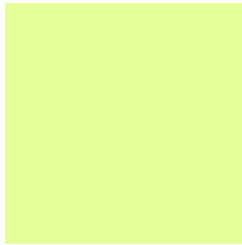
4.4673, 0.1659, 0.0688



0.4854, 0.1771, 0.0749

Previews

White Background



This preview shows how the Yxy color 90.3139, 0.3542, 0.4352 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 90.3139, 0.3542, 0.4352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

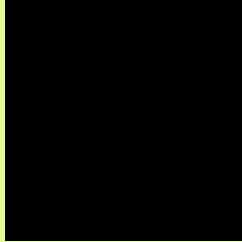
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3139, 0.3542, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 90.3139, 0.3542, 0.4352.

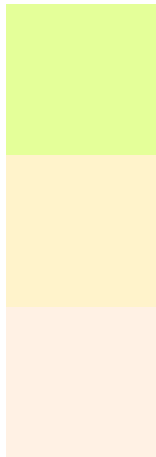


This preview shows how white text looks on a background with the Yxy color 90.3139, 0.3542, 0.4352.

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

90.3139, 0.3542, 0.4352

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

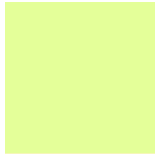
89.7720, 0.3301, 0.3418



Tritanopia

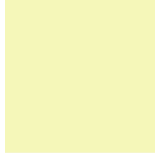
90.1984, 0.3050, 0.3172

Trichromacy



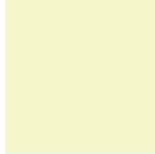
Original Color

90.3139, 0.3542, 0.4352



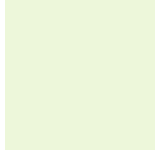
Protanomaly

89.4368, 0.3493, 0.3921



Deuteranomaly

89.5411, 0.3396, 0.3747



Tritanomaly

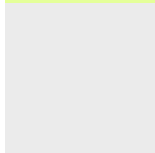
89.5880, 0.3236, 0.3587

Monochromacy



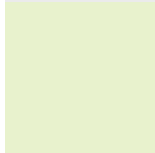
Original Color

90.3139, 0.3542, 0.4352



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0678, 0.3288, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3139, 0.3542, 0.4352 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(228, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 153)  
}
```

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(228, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 90.3139, 0.3542, 0.4352 is called "border". The border property can be set on classes, ids or directly on the HTML element.

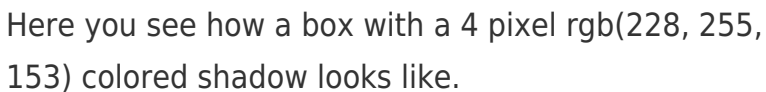
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 255, 153) }
```

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

```
.border{ border-color:rgb(228, 255, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 255, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 255, 153); box-shadow:4px 4px 4px 4px rgb(228, 255, 153) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.3139, 0.3542, 0.4352$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 153) }
```

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

```
.background{ background-color: rgb(228,  
255, 153) }
```

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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