

Converting Colors

$Y_{xy}(90.5830, 0.3538, 0.4327)$

Have a look what the booklet for
Yxy(90.5830, 0.3538, 0.4327)
contains.

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Color

Yxy(90.5446, 0.3538, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF9B
RGB	229, 255, 155
RGB Percent	90%, 100%, 61%
CMY	0.1021, 0.0000, 0.3922
CMYK	0.10, 0.00, 0.39, 0.00
HSL	76°, 100%, 80%
HSV	76°, 39%, 100%
XYZ	73.9831, 90.5446, 44.5822
YIQ	235.8260, 16.6040, -36.6120

Conversions

Conversions Part 2

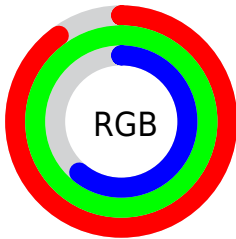
Format	Color
RYB	155, 255, 181
Decimal	15073179
CIELab	96.22, -23.78, 44.97
CIELCh	96, 50.872, 117.864
Yxy	90.5446, 0.3538, 0.4330
Android (android.graphics.Color)	4293263259 (0xFFE5FF9B)
YUV	235.8260, -39.8472, -5.9864
Hunter-Lab	95.1549, -27.7371, 38.8297

Details

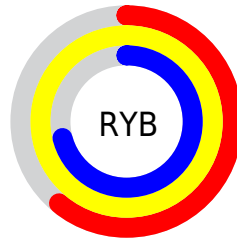
The Yxy color **90.5446, 0.3538, 0.4330** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.4848, 0.2581, 0.2140**, and the grayscale version is **84.0345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **50.1181, 0.3604, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **88.7016, 0.3625, 0.4595**, and if you desaturate by 10%, it is **92.6018, 0.3439, 0.4056**.

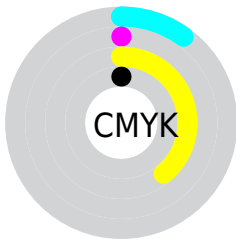
Distribution



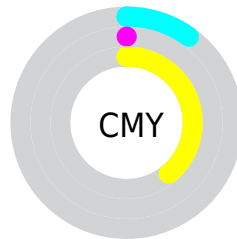
- Red (90%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5446, 0.3538, 0.4330 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 90.5446, 0.3538, 0.4330 by changing the saturation by 10% instead.


 90.5446, 0.3538,
0.4330


 90.5446, 0.3538,
0.4330


529.8008, 0.3372,
0.3855

 68.4324, 0.3569,
0.4435


 148.0946, 0.3486,
0.4167

 50.2496, 0.3604,
0.4563


 184.3013, 0.3464,
0.4103

 35.6118, 0.3643,
0.4721


225.9749, 0.3444,
0.4048

 24.1345, 0.3684,
0.4919

273.4998, 0.3427,
0.4000

 15.4334, 0.3722,
0.5174

327.2605, 0.3411,
0.3957

 9.1241, 0.3743,
0.5505

387.6413, 0.3397,

 4.8222, 0.3836,

0.3919

0.6143

455.0266, 0.3384,
0.3885

■ 2.1433, 0.3511,
0.6489

■ 0.6888, 0.0974,
0.9026

■ 90.5446, 0.3538,
0.4330

■ 90.5446, 0.3538,
0.4330

■ 88.7016, 0.3625,
0.4595

■ 92.6018, 0.3439,
0.4056

■ 87.0735, 0.3695,
0.4838

■ 94.8968, 0.3333,
0.3784

■ 85.6428, 0.3742,
0.5050

■ 97.4354, 0.3226,
0.3520

■ 84.3944, 0.3764,
0.5219

100.0000, 0.3127,
0.3290

■ 83.3104, 0.3760,
0.5339

■ 82.3643, 0.3734,
0.5414

■ 82.2937, 0.3731,
0.5419

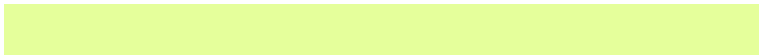
Harmonies

Analogous

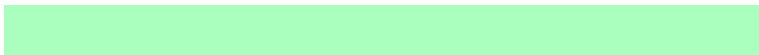
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5446, 0.4010, 0.4170



90.5446, 0.3538, 0.4330



90.5446, 0.2980, 0.4147

Triad

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



90.5446, 0.3538, 0.4330



90.5446, 0.2110, 0.2639



90.5446, 0.3768, 0.2938

Complementary

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



90.5446, 0.3538, 0.4330



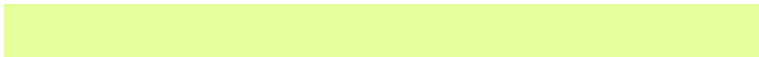
40.4848, 0.2581, 0.2140

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.



90.5446, 0.3197, 0.2604



90.5446, 0.3538, 0.4330



90.5446, 0.2274, 0.2420

Square

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



90.5446, 0.3538, 0.4330



90.5446, 0.2182, 0.3076



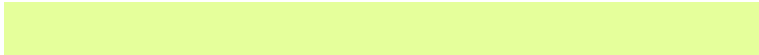
90.5446, 0.2654, 0.2418



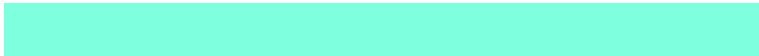
90.5446, 0.4170, 0.3361

Rectangle

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



90.5446, 0.3538, 0.4330



90.5446, 0.2635, 0.3840



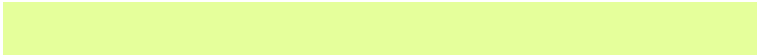
90.5446, 0.2654, 0.2418



90.5446, 0.3587, 0.2813

Sweetspot

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



90.5404, 0.3538, 0.4330



96.7046, 0.3256, 0.3592



56.2657, 0.4011, 0.3555



20.6267, 0.3270, 0.3627



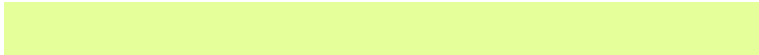
0.0000, 0.0000, 0.0000



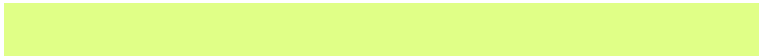
21.4041, 0.3127, 0.3290

Same Dimension

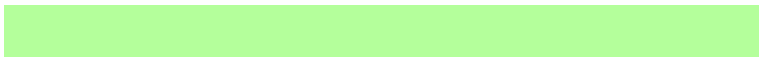
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5404, 0.3538, 0.4330



89.0911, 0.3607, 0.4537



83.5886, 0.3217, 0.4445



20.8390, 0.3229, 0.3528



43.0761, 0.3739, 0.5413



4.2468, 0.3793, 0.5371

Inverse Universe

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



40.4848, 0.2581, 0.2140



32.7332, 0.2445, 0.1882



47.4820, 0.2966, 0.2257



17.6062, 0.3019, 0.3047



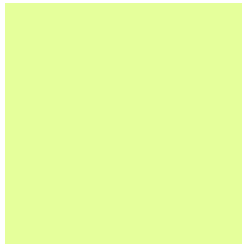
4.4447, 0.1654, 0.0685



0.4827, 0.1765, 0.0746

Previews

White Background



This preview shows how the Yxy color 90.5446, 0.3538, 0.4330 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 90.5446, 0.3538, 0.4330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

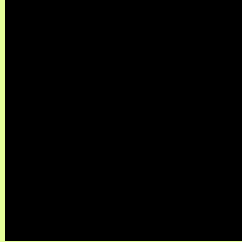
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.5446, 0.3538, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 90.5446, 0.3538, 0.4330.

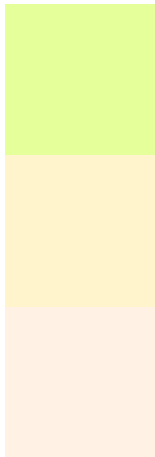


This preview shows how white text looks on a background with the Yxy color 90.5446, 0.3538, 0.4330.

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

90.5446, 0.3538, 0.4330

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

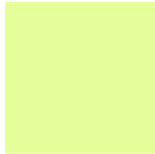
90.4214, 0.3294, 0.3418



Tritanopia

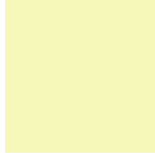
90.3759, 0.3056, 0.3172

Trichromacy



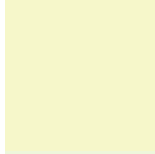
Original Color

90.5446, 0.3538, 0.4330



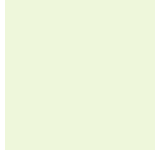
Protanomaly

90.2728, 0.3492, 0.3919



Deuteranomaly

90.3786, 0.3395, 0.3745



Tritanomaly

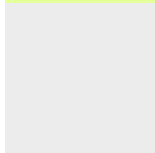
89.8131, 0.3237, 0.3576

Monochromacy



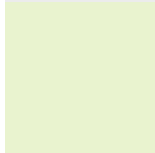
Original Color

90.5446, 0.3538, 0.4330



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9298, 0.3281, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5446, 0.3538, 0.4330 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(229, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 155)  
}
```

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(229, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 90.5446, 0.3538, 0.4330 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(229, 255, 155) }
```

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

```
.border{ border-color:rgb(229, 255, 155) }
```

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

Here you see how a box with a 4 pixel rgb(229, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5446, 0.3538, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 155) }
```

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

```
.background{ background-color: rgb(229,  
255, 155) }
```

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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