

Converting Colors

$Yxy(90.2804, 0.3535, 0.4344)$

Have a look what the booklet for
Yxy(90.2804, 0.3535, 0.4344)
contains.

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Color

Yxy(90.3471, 0.3537, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	E4FF9A
RGB	228, 255, 154
RGB Percent	89%, 100%, 60%
CMY	0.1057, 0.0000, 0.3961
CMYK	0.11, 0.00, 0.40, 0.00
HSL	76°, 100%, 80%
HSV	76°, 40%, 100%
XYZ	73.5969, 90.3471, 44.1332
YIQ	235.4130, 16.3290, -37.1350

Conversions

Conversions Part 2

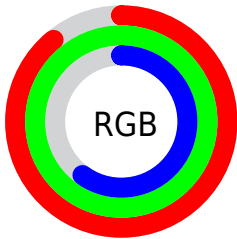
Format	Color
RYB	154, 255, 181
Decimal	15007642
CIELab	96.14, -24.23, 45.33
CIELCh	96, 51.400, 118.120
Yxy	90.3471, 0.3537, 0.4342
Android (android.graphics.Color)	4293197722 (0xFFE4FF9A)
YUV	235.4130, -40.1366, -6.5012
Hunter-Lab	95.0511, -28.1291, 39.0068

Details

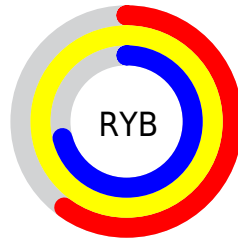
The Yxy color **90.3471, 0.3537, 0.4342** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1525, 0.2580, 0.2129**, and the grayscale version is **83.7189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **49.9857, 0.3602, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **88.4980, 0.3622, 0.4607**, and if you desaturate by 10%, it is **92.4286, 0.3440, 0.4068**.

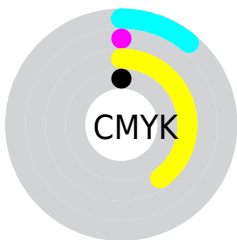
Distribution



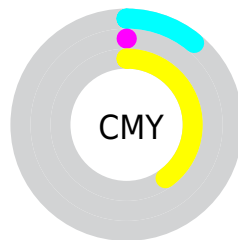
- Red (89%)
- Green (100%)
- Blue (60%)



- 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 90.3471, 0.3537, 0.4342 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 90.3471, 0.3537, 0.4342 by changing the saturation by 10% instead.


 90.3471, 0.3537,
0.4342


 90.3471, 0.3537,
0.4342

529.1593, 0.3372,
0.3861

 68.2686, 0.3568,
0.4449


 147.8204, 0.3485,
0.4177

 50.1163, 0.3603,
0.4578


 183.9840, 0.3463,
0.4113

 35.5058, 0.3641,
0.4738


225.6114, 0.3444,
0.4056

 24.0527, 0.3680,
0.4939

273.0870, 0.3426,
0.4007

 15.3727, 0.3717,
0.5197

326.7952, 0.3411,
0.3964

 9.0814, 0.3734,
0.5532

387.1204, 0.3396,

 4.7943, 0.3822,

0.3926

0.6178

454.4470, 0.3384,
0.3892

■ 2.1271, 0.3481,
0.6519

■ 0.6798, 0.0745,
0.9255

■ 90.3471, 0.3537,
0.4342

■ 90.3471, 0.3537,
0.4342

■ 88.4980, 0.3622,
0.4607

■ 92.4286, 0.3440,
0.4068

■ 86.8571, 0.3690,
0.4851

■ 94.7413, 0.3335,
0.3795

■ 85.4152, 0.3735,
0.5063

■ 97.2996, 0.3229,
0.3530

■ 84.1569, 0.3755,
0.5231

99.9976, 0.3127,
0.3290

■ 83.0644, 0.3749,
0.5351

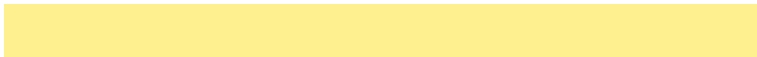
■ 82.1095, 0.3721,
0.5426

■ 82.0733, 0.3720,
0.5429

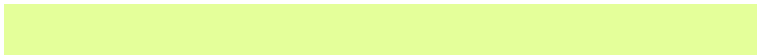
Harmonies

Analogous

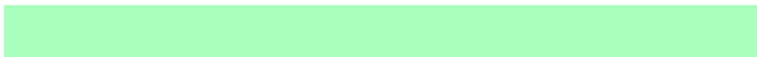
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3471, 0.4016, 0.4181



90.3471, 0.3537, 0.4342



90.3471, 0.2973, 0.4154

Triad

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



90.3471, 0.3537, 0.4342



90.3471, 0.2101, 0.2629



90.3471, 0.3780, 0.2937

Complementary

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



90.3471, 0.3537, 0.4342



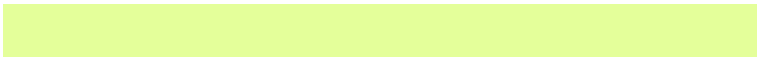
40.1525, 0.2580, 0.2129

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.



90.3471, 0.3202, 0.2600



90.3471, 0.3537, 0.4342



90.3471, 0.2267, 0.2411

Square

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



90.3471, 0.3537, 0.4342



90.3471, 0.2171, 0.3069



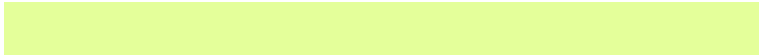
90.3471, 0.2653, 0.2410



90.3471, 0.4184, 0.3364

Rectangle

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



90.3471, 0.3537, 0.4342



90.3471, 0.2626, 0.3841



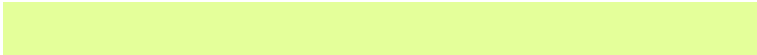
90.3471, 0.2653, 0.2410



90.3471, 0.3596, 0.2812

Sweetspot

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



90.3511, 0.3537, 0.4342



96.6671, 0.3254, 0.3592



56.6147, 0.4015, 0.3575



20.6179, 0.3268, 0.3627



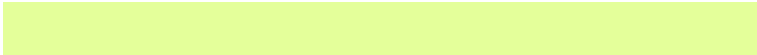
0.0000, 0.0000, 0.0000



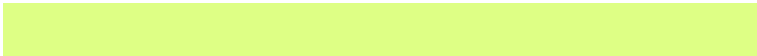
21.4041, 0.3127, 0.3290

Same Dimension

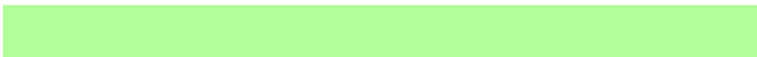
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3511, 0.3537, 0.4342



88.7837, 0.3610, 0.4566



83.2651, 0.3207, 0.4462



20.8326, 0.3228, 0.3528



42.9634, 0.3727, 0.5422



4.2367, 0.3782, 0.5379

Inverse Universe

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



40.1525, 0.2580, 0.2129



31.9144, 0.2433, 0.1851



47.3940, 0.2978, 0.2251



17.6122, 0.3020, 0.3047



4.4778, 0.1661, 0.0689



0.4867, 0.1774, 0.0751

Previews

White Background



This preview shows how the Yxy color 90.3471, 0.3537, 0.4342 looks on a white background.

Color Contrast Check

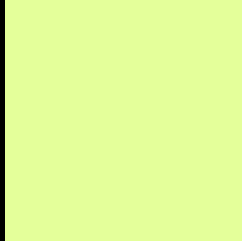
Large Text (above 18pt) WCAG AA × Fail

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 90.3471, 0.3537, 0.4342 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

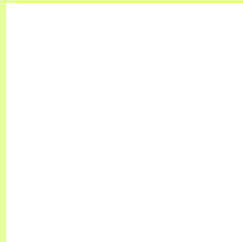
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3471, 0.3537, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 90.3471, 0.3537, 0.4342.

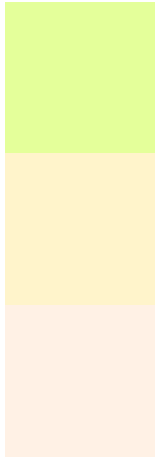


This preview shows how white text looks on a background with the Yxy color 90.3471, 0.3537, 0.4342.

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

90.3471, 0.3537, 0.4342

Protanopia

90.2732, 0.3456, 0.3698

Deuteranopia

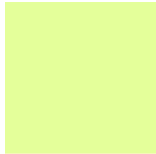
89.8277, 0.3295, 0.3408



Tritanopia

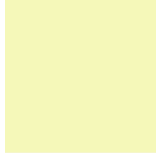
90.1984, 0.3050, 0.3172

Trichromacy



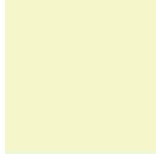
Original Color

90.3471, 0.3537, 0.4342



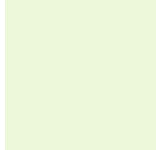
Protanomaly

90.0501, 0.3491, 0.3931



Deuteranomaly

89.5883, 0.3390, 0.3737



Tritanomaly

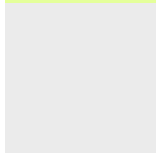
89.5880, 0.3236, 0.3587

Monochromacy



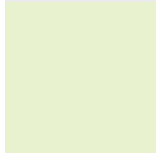
Original Color

90.3471, 0.3537, 0.4342



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 90.3471, 0.3537, 0.4342 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 90.3471, 0.3537, 0.4342 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, 154) }
```

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

```
.border{ border-color:rgb(228, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3471, 0.3537, 0.4342 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, 154) }
```

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

```
.background{ background-color: rgb(228,  
255, 154) }
```

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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