

Converting Colors

YIQ(235.9830, 14.7240,
-35.5800)

Have a look what the booklet for
YIQ(235.9830, 14.7240, -35.5800)
contains.

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Color

**YIQ(235.9830, 14.7240,
-35.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FF9F
RGB	228, 255, 159
RGB Percent	89%, 100%, 62%
CMY	0.1060, 0.0000, 0.3763
CMYK	0.11, 0.00, 0.38, 0.00
HSL	77°, 100%, 81%
HSV	77°, 38%, 100%
XYZ	74.0058, 90.5132, 46.3866
YIQ	235.9830, 14.7240, -35.5800

Conversions

Conversions Part 2

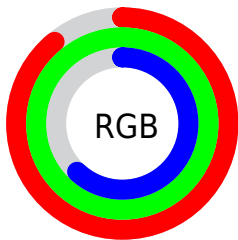
Format	Color
RYB	159, 255, 186
Decimal	15007647
CIELab	96.21, -23.67, 42.97
CIElCh	96, 49.063, 118.849
Yxy	90.5132, 0.3509, 0.4292
Android (android.graphics.Color)	4293197727 (0xFFE4FF9F)
YUV	235.9830, -37.9526, -7.0011
Hunter-Lab	95.1384, -27.6415, 37.6889

Details

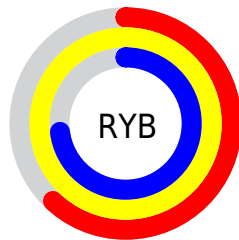
The YIQ color **235.9830, 14.7240, -35.5800** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **178.0170, -14.7240, 35.5800**, and the grayscale version is **236.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **250.4400, 12.8400, -12.4400**, and **179.4390, 13.4400, -34.3360** is the 20% darker color. If you saturate the color by 10%, you get **231.0400, 18.5770, -44.8390**, and if you desaturate by 10%, it is **241.0400, 10.5500, -26.0100**.

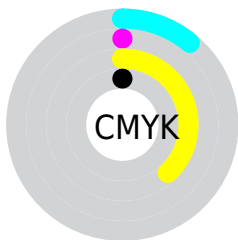
Distribution



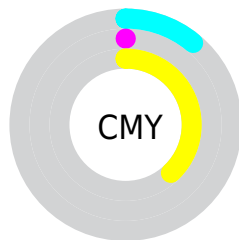
- Red (89%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 235.9830, 14.7240, -35.5800 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 YIQ color 235.9830, 14.7240, -35.5800 by changing the saturation by 10% instead.


 235.9830, 14.7240,
-35.5800


 235.9830, 14.7240,
-35.5800


255.0000, -0.0000,
-0.0000


 207.2110, 14.0820,
-34.9580


 250.4400, 12.8400,
-12.4400


 179.4390, 13.4400,
-34.3360


 253.6320, 3.8520,
-3.7320

 152.6670, 12.7980,
-33.7140

 125.7810, 12.4770,
-33.4030

 100.4820, 11.8810,
-33.6150

 74.9120, 13.4860,
-35.1700

 53.6480, 5.7820,

-27.7060

■ 32.0740, -3.9850,
-21.4010

■ 17.0230, -7.9750,
-15.1670

■ 235.9830, 14.7240,
-35.5800

■ 235.9830, 14.7240,
-35.5800

■ 231.0400, 18.5770,
-44.8390

■ 241.0400, 10.5500,
-26.0100

■ 225.9830, 22.7510,
-54.4090

■ 245.9830, 6.6970,
-16.7510

■ 220.7410, 26.0080,
-63.8800

■ 251.3390, 3.1190,
-6.9690

■ 215.6840, 30.1820,
-73.4500

■ 255.0000, -0.0000,
-0.0000

■ 210.7410, 34.0350,
-82.7090

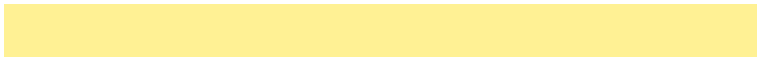
■ 205.6840, 38.2090,
-92.2790

■ 204.4020, 38.9430,
-94.5690

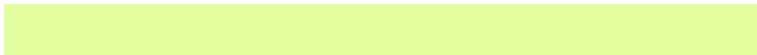
Harmonies

Analogous

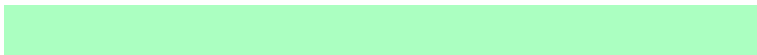
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



234.5840, 38.1970, -25.9550



235.9830, 14.7240, -35.5800



222.8160, -30.1620, -37.0900

Triad

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



235.9830, 14.7240, -35.5800



204.7680, -100.1280, -35.6160



226.0260, 15.4470, 22.9270

Complementary

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



235.9830, 14.7240, -35.5800



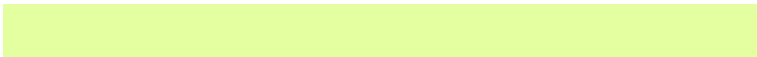
178.0170, -14.7240, 35.5800

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.



232.1070, 10.7250, 20.3970



235.9830, 14.7240, -35.5800



226.6610, -47.8180, -14.4580

Square

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



235.9830, 14.7240, -35.5800



191.3130, -126.9480, -45.1560



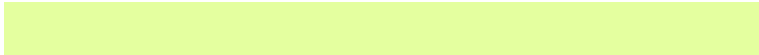
239.1070, 1.5570, 10.3330



223.0160, 29.4340, 6.2180

Rectangle

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



235.9830, 14.7240, -35.5800



214.0910, -64.5490, -36.1410



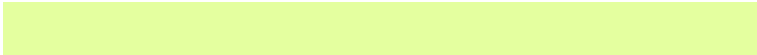
239.1070, 1.5570, 10.3330



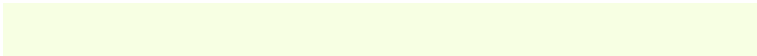
227.9980, 12.6500, 24.0580

Sweetspot

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



235.9830, 14.7240, -35.5800



249.4160, 4.2200, -10.4040



202.9660, 50.0660, 6.7540



124.5670, 2.4770, -6.3470



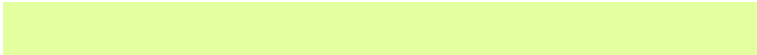
0.0000, 0.0000, 0.0000



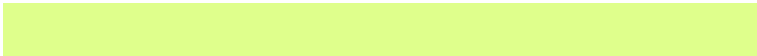
128.0000, -0.0000, -0.0000

Same Dimension

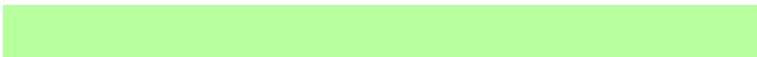
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235.9830, 14.7240, -35.5800



232.3220, 17.8430, -42.5490



221.9300, -13.2880, -45.5440



125.3220, 1.7890, -4.8910



153.0800, 29.1270, -70.8490



51.3220, 9.8160, -23.7200

Inverse Universe

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



178.0170, -14.7240, 35.5800



162.9770, -17.2470, 42.7610



192.0700, 13.2880, 45.5440



117.3790, -2.3850, 4.6790



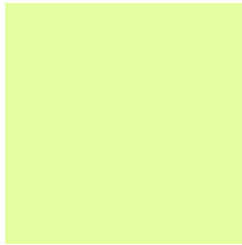
37.9200, -29.1270, 70.8490



12.6780, -9.8160, 23.7200

Previews

White Background



This preview shows how the YIQ color 235.9830, 14.7240, -35.5800 looks on a white background.

Color Contrast Check

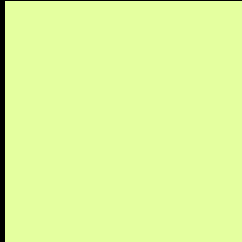
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 235.9830, 14.7240, -35.5800 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

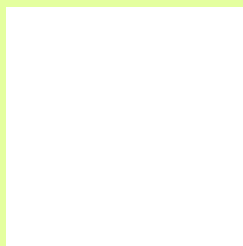
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 235.9830, 14.7240, -35.5800

Background



This preview shows how black text looks on a background with the YIQ color 235.9830, 14.7240, -35.5800.



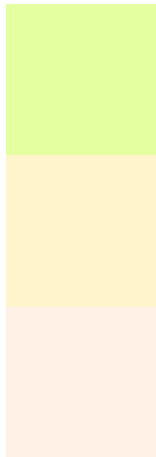
This preview shows how white text looks on a background with the YIQ color 235.9830, 14.7240,

-35.5800.

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

235.9830, 14.7240, -35.5800

Protanopia

242.7290, 19.3960, -10.1080

Deuteranopia

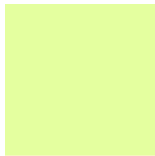
243.8180, 12.1960, -0.7640



Tritanopia

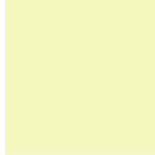
244.0690, -4.4480, 3.5200

Trichromacy



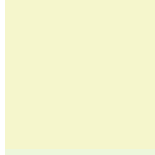
Original Color

235.9830, 14.7240, -35.5800



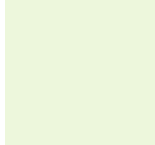
Protanomaly

240.2630, 17.4720, -19.2960



Deuteranomaly

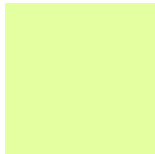
240.9130, 12.8860, -13.2740



Tritanomaly

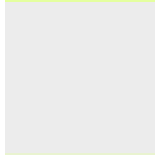
240.9320, 2.7070, -10.5170

Monochromacy



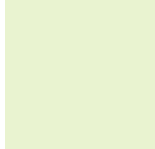
Original Color

235.9830, 14.7240, -35.5800



Achromatopsia

236.0000, 0.0000, -0.0000



Achromatomaly

236.0200, 5.2750, -13.0050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 235.9830, 14.7240, -35.5800 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 159) }
```

Border

The CSS property to change the border of an element to YIQ 235.9830, 14.7240, -35.5800 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, 159) }
```


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

```
.border{ border-color:rgb(228, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
159) }
```

Background

The CSS property to change the background color of an element to YIQ 235.9830, 14.7240, -35.5800 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, 159) }
```

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

```
.background{ background-color: rgb(228,  
255, 159) }
```

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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