

# Converting Colors

YIQ(233.4320, 23.3450,  
-43.1430)

Have a look what the booklet for  
YIQ(233.4320, 23.3450, -43.1430)  
contains.

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# Color

**YIQ(233.4320, 23.3450,  
-43.1430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FF86
RGB	229, 255, 134
RGB Percent	90%, 100%, 53%
CMY	0.1021, 0.0000, 0.4743
CMYK	0.10, 0.00, 0.47, 0.00
HSL	73°, 100%, 76%
HSV	73°, 47%, 100%
XYZ	72.3683, 89.8948, 36.1089
YIQ	233.4320, 23.3450, -43.1430

# Conversions

## Conversions Part 2

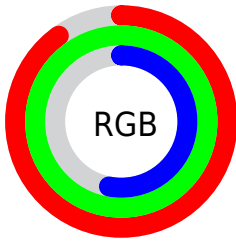
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 255, 160
Decimal	15073158
CIELab	95.95, -25.99, 54.59
CIELCh	96, 60.457, 115.458
Yxy	89.8948, 0.3648, 0.4532
Android (android.graphics.Color)	4293263238 (0xFFE5FF86)
YUV	233.4320, -49.0200, -3.8869
Hunter-Lab	94.8129, -29.6779, 43.7888

# Details

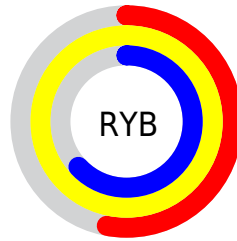
The YIQ color  $233.4320, 23.3450, -43.1430$  is a light color, and the websafe version is hex  $CCFF99$ . A complement of this color would be  $155.5680, -23.3450, 43.1430$ , and the grayscale version is  $234.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.4760, 21.1860, -20.5260$ , and  $176.8880, 22.0610, -41.8990$  is the 20% darker color. If you saturate the color by 10%, you get  $228.7880, 27.7940, -52.1900$ , and if you desaturate by 10%, it is  $237.8910, 17.9790, -33.9970$ .

# Distribution



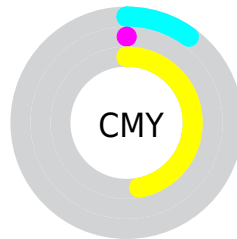
- Red (90%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 233.4320, 23.3450, -43.1430 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 233.4320, 23.3450, -43.1430 by changing the saturation by 10% instead.



233.4320, 23.3450,  
-43.1430

233.4320, 23.3450,  
-43.1430

255.0000, -0.0000,  
-0.0000

204.6600, 22.7030,  
-42.5210

247.4760, 21.1860,  
-20.5260

176.5890, 21.4650,  
-42.1110

250.7820, 11.8770,  
-11.5070

149.5890, 21.4650,  
-42.1110

254.0880, 2.5680,  
-2.4880

121.9480, 21.8320,  
-43.2560

96.7630, 20.9150,  
-43.1570

74.0150, 11.6980,  
-35.8060

52.1530, 2.8020,

-28.7660

■ 29.6820, -8.7530,  
-23.0970

■ 17.0230, -7.9750,  
-15.1670

■ 233.4320, 23.3450,  
-43.1430

■ 233.4320, 23.3450,  
-43.1430

■ 228.7880, 27.7940,  
-52.1900

■ 237.8910, 17.9790,  
-33.9970

■ 224.3290, 33.1600,  
-61.3360

■ 242.5350, 13.5300,  
-24.9500

■ 219.6850, 37.6090,  
-70.3830

■ 246.9940, 8.1640,  
-15.8040

■ 215.2260, 42.9750,  
-79.5290

■ 251.6380, 3.7150,  
-6.7570

■ 210.8810, 48.0200, 255.0000, -0.0000,  
-88.3640 -0.0000

■ 209.4850, 49.0750,  
-90.9650

# Harmonies

## Analogous

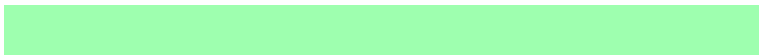
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.5000, 47.0010, -31.3270



233.4320, 23.3450, -43.1430



216.8770, -32.1320, -45.4440

# Triad

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



233.4320, 23.3450, -43.1430



178.7550, -151.9800, -54.0600



220.3670, 16.2250, 30.8570

# Complementary

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



233.4320, 23.3450, -43.1430



155.5680, -23.3450, 43.1430

# 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.



228.5850, 12.3750, 23.5350



233.4320, 23.3450, -43.1430



214.0700, -77.2510, -26.2030

# Square

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



233.4320, 23.3450, -43.1430



178.7550, -151.9800, -54.0600



235.5190, -5.5950, 7.7890



215.4020, 34.3390, 10.9390



# Rectangle

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



233.4320, 23.3450, -43.1430



202.2580, -81.5570, -47.2930



235.5190, -5.5950, 7.7890



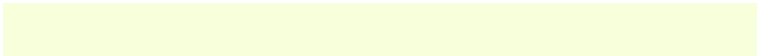
222.1280, 15.4000, 29.2880

# Sweetspot

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



233.4320, 23.3450, -43.1430



248.5040, 6.7880, -12.8920



184.2670, 65.5160, 13.1000



123.9970, 4.0820, -7.9020



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

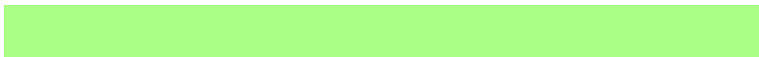
The Same Dimension uses a secret algorithm to generate beautiful new colors.



233.4320, 23.3450, -43.1430



229.2010, 28.0690, -51.6670



215.7910, -11.8190, -55.6510



125.6210, 2.3850, -4.6790



156.9670, 36.8750, -68.0930



52.5180, 12.2000, -22.8720



# Inverse Universe

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



155.5680, -23.3450, 43.1430



135.7990, -28.0690, 51.6670



173.2090, 11.8190, 55.6510



117.0800, -2.9810, 4.4670



34.0330, -36.8750, 68.0930



11.4820, -12.2000, 22.8720



# Previews

## White Background



This preview shows how the YIQ color 233.4320, 23.3450, -43.1430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

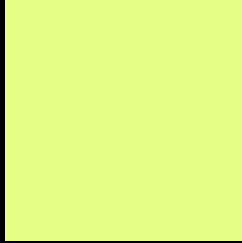
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 233.4320, 23.3450, -43.1430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

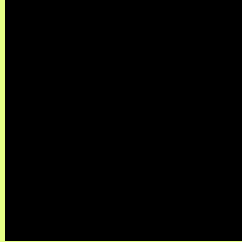
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

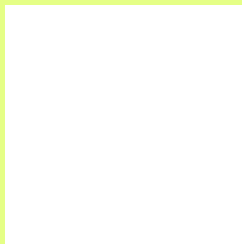
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 233.4320, 23.3450, -43.1430

## Background



This preview shows how black text looks on a background with the YIQ color 233.4320, 23.3450, -43.1430.



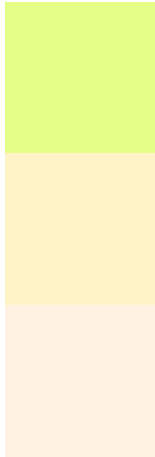
This preview shows how white text looks on a background with the YIQ color 233.4320, 23.3450,

-43.1430.

# 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

233.4320, 23.3450, -43.1430

### Protanopia

241.5720, 21.2760, -11.1400

### Deuteranopia

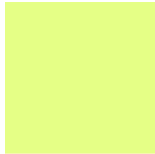
243.4760, 13.1590, -1.6970



## Tritanopia

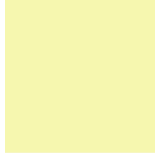
243.4930, -2.7060, 4.9900

# Trichromacy



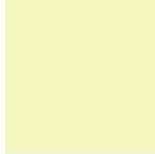
## Original Color

233.4320, 23.3450, -43.1430



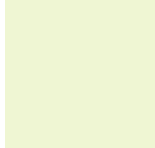
## Protanomaly

238.4930, 22.5160, -22.6040



## Deuteranomaly

239.9580, 17.0130, -16.4830



## Tritanomaly

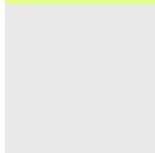
239.9170, 7.0630, -12.3690

# Monochromacy



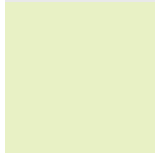
## Original Color

233.4320, 23.3450, -43.1430



## Achromatopsia

233.0000, -0.0000, -0.0000



## Achromatomaly

233.2930, 8.7600, -15.5920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 233.4320, 23.3450, -43.1430 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 134) }
```

## Border

The CSS property to change the border of an element to YIQ 233.4320, 23.3450, -43.1430 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, 134) }
```



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

```
.border{ border-color:rgb(229, 255, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
134) }
```

# Background

The CSS property to change the background color of an element to YIQ 233.4320, 23.3450, -43.1430 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, 134) }
```

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

```
.background{ background-color: rgb(229,  
255, 134) }
```

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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