

# Converting Colors

YIQ(233.8130, 2.5650, 14.0930)

Have a look what the booklet for  
YIQ(233.8130, 2.5650, 14.0930)  
contains.

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# Color

**YIQ(233.8130, 2.5650,  
14.0930)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E0FF
RGB	245, 224, 255
RGB Percent	96%, 88%, 100%
CMY	0.0391, 0.1216, 0.0000
CMYK	0.04, 0.12, 0.00, 0.00
HSL	281°, 100%, 94%
HSV	281°, 12%, 100%
XYZ	82.3651, 79.9420, 105.6940
YIQ	233.8130, 2.5650, 14.0930

# Conversions

## Conversions Part 2

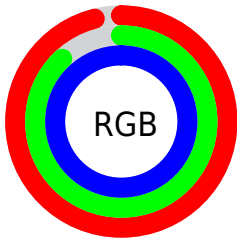
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 224, 255
Decimal	16113919
CIE <sub>Lab</sub>	91.66, 12.65, -12.41
CIE <sub>LCh</sub>	92, 17.717, 315.540
Y <sub>xy</sub>	79.9420, 0.3073, 0.2983
Android (android.graphics.Color)	4294303999 (0xFFFF5E0FF)
Y <sub>UV</sub>	233.8130, 10.4452, 9.8110
Hunter-Lab	89.4103, 7.9668, -7.5009

# Details

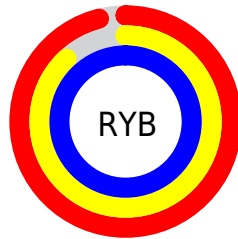
The YIQ color  $233.8130, 2.5650, 14.0930$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $245.1870, -2.5650, -14.0930$ , and the grayscale version is  $234.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $178.2860, 2.6110, 13.2590$  is the 20% darker color. If you saturate the color by 10%, you get  $216.1590, 4.9470, 25.9950$ , and if you desaturate by 10%, it is  $250.8800, 0.4580, 2.7140$ .

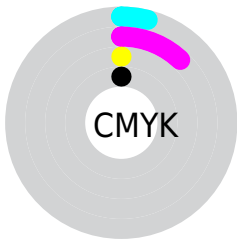
# Distribution



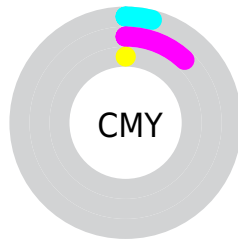
- Red (96%)
- Green (88%)
- Blue (100%)



- Red (96%)
- Yellow (88%)
- Blue (100%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 233.8130, 2.5650, 14.0930 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 233.8130, 2.5650, 14.0930 by changing the saturation by 10% instead.



233.8130, 2.5650,  
14.0930

233.8130, 2.5650,  
14.0930

255.0000, -0.0000,  
-0.0000

205.6990, 2.8860,  
13.7820

178.2860, 2.6110,  
13.2590

151.2860, 2.6110,  
13.2590

125.4600, 2.0610,  
12.2130

100.4600, 2.0610,  
12.2130

76.0470, 1.7860,  
11.6900

53.5200, 1.8320,

10.8560

■ 32.1070, 1.5570,  
10.3330

■ 9.3570, 3.8490,  
12.8490

■ 233.8130, 2.5650,  
14.0930

■ 233.8130, 2.5650,  
14.0930

■ 216.1590, 4.9470,  
25.9950

■ 250.8800, 0.4580,  
2.7140

■ 199.0920, 7.0540,  
37.3740

255.0000, -0.0000,  
-0.0000

■ 181.1390, 8.8400,  
49.0640

■ 164.0720, 10.9470,  
60.4430

■ 146.4180, 13.3290,  
72.3450

■ 129.3510, 15.4360,  
83.7240

■ 111.6970, 17.8180,  
95.6260

■ 94.3310, 19.3290,  
106.7930

■ 80.7970, 21.2530,  
115.9810

# Harmonies

## Analogous

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



231.0560, -11.6010, 6.5030



233.8130, 2.5650, 14.0930



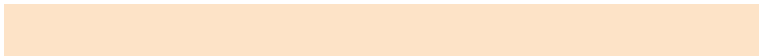
232.7450, 14.4400, 13.6400

# Triad

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



233.8130, 2.5650, 14.0930



231.5820, 24.4840, -3.1960



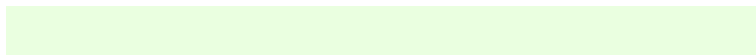
224.9250, -30.9460, -11.8580

# Complementary

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



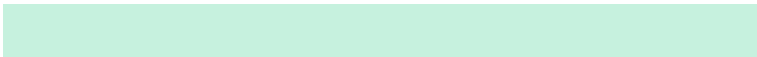
233.8130, 2.5650, 14.0930



245.1870, -2.5650, -14.0930

# 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.



225.9770, -19.5290, -15.0250



233.8130, 2.5650, 14.0930



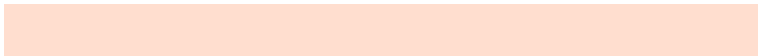
229.6080, 12.4270, -10.4610

# Square

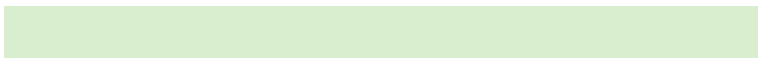
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



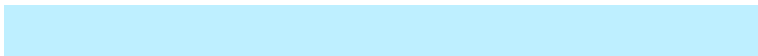
233.8130, 2.5650, 14.0930



230.1570, 24.4830, 2.3310



227.8880, -3.1610, -14.3050



226.1730, -34.3400, -5.4120



# Rectangle

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



233.8130, 2.5650, 14.0930



230.7900, 18.5670, 10.4310



227.8880, -3.1610, -14.3050



224.9530, -28.1490, -12.9890

# Sweetspot

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



233.8130, 2.5650, 14.0930



248.2330, 0.9620, 4.5940



233.4040, -12.7010, 4.4110



122.9940, 0.1370, 3.0250



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.



233.8130, 2.5650, 14.0930



229.1060, 3.2980, 17.3300



236.2330, 10.1300, 14.6580



118.8740, 0.5950, 5.7390



60.6440, 16.1690, 86.9610



20.1530, 5.0840, 29.0200



# Inverse Universe

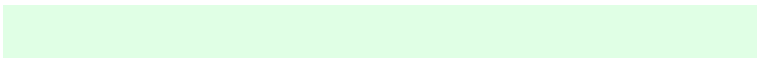
The Inverse Universe completely reimagines the original color for something new.



234.4090, 15.2660, 9.6820



229.7300, 18.7960, 11.7880



242.7670, -10.1300, -14.6580



119.3430, 6.4640, 4.0000



64.1770, 93.9340, 59.7740

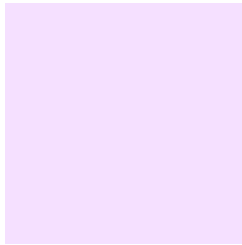


21.5300, 31.4030, 20.0990



# Previews

## White Background



This preview shows how the YIQ color 233.8130, 2.5650, 14.0930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

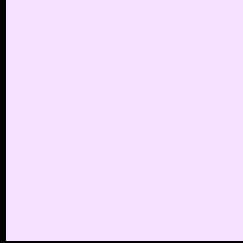
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 233.8130, 2.5650, 14.0930 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 233.8130, 2.5650, 14.0930

## Background



This preview shows how black text looks on a background with the YIQ color 233.8130, 2.5650, 14.0930.



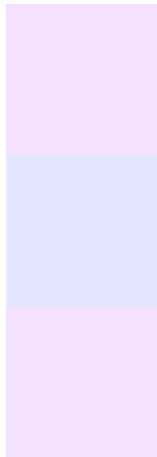
This preview shows how white text looks on a background with the YIQ color 233.8130, 2.5650,

14.0930.

# 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

233.8130, 2.5650, 14.0930

### Protanopia

232.2520, -9.2170, 7.3510

### Deuteranopia

233.8020, 1.0980, 13.1460



## Tritanopia

233.1350, 4.3540, 9.2020

# Trichromacy



## Original Color

233.8130, 2.5650, 14.0930

## Protanomaly

232.8720, -5.0910, 9.6690

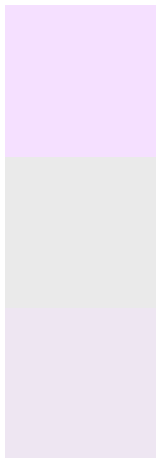
## Deuteranomaly

234.1010, 1.6940, 13.3580

## Tritanomaly

233.3030, 3.9410, 11.1810

# Monochromacy



## Original Color

233.8130, 2.5650, 14.0930

## Achromatopsia

234.0000, -0.0000, 0.0000

## Achromatomaly

233.7600, 0.9160, 5.4280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 233.8130, 2.5650, 14.0930 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(245, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 224, 255)  
}
```

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(245, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 224, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 233.8130, 2.5650, 14.0930 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(245, 224, 255) }
```



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

```
.border{ border-color:rgb(245, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 224,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 233.8130, 2.5650, 14.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 224, 255) }
```

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

```
.background{ background-color: rgb(245,  
224, 255) }
```

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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