

# Converting Colors

YIQ(251.8080, 8.9880, -8.7080)

Have a look what the booklet for  
YIQ(251.8080, 8.9880, -8.7080)  
contains.

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# Color

**YIQ(251.8080, 8.9880,  
-8.7080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFE3
RGB	255, 255, 227
RGB Percent	100%, 100%, 89%
CMY	0.0000, 0.0000, 0.1097
CMYK	0.00, 0.00, 0.11, 0.00
HSL	60°, 100%, 95%
HSV	60°, 11%, 100%
XYZ	90.8655, 98.3260, 86.8733
YIQ	251.8080, 8.9880, -8.7080

# Conversions

## Conversions Part 2

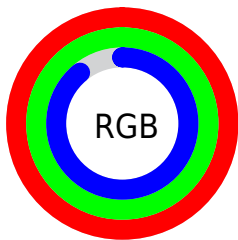
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 255, 227
Decimal	16777187
CIE Lab	99.35, -4.64, 13.38
CIE LCh	99, 14.161, 109.114
Yxy	98.3260, 0.3291, 0.3562
Android (android.graphics.Color)	4294967267 (0xFFFFFFFFE3)
YUV	251.8080, -12.2303, 2.7994
Hunter-Lab	99.1595, -9.9593, 17.4678

# Details

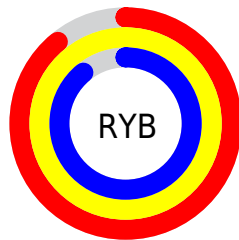
The YIQ color 251.8080, 8.9880, -8.7080 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 230.1920, -8.9880, 8.7080, and the grayscale version is 252.0000, 0.0000, 0.0000.

A 20% lighter version of the original color is 255.0000, -0.0000, -0.0000, and 195.0360, 8.3460, -8.0860 is the 20% darker color. If you saturate the color by 10%, you get 248.9580, 17.0130, -16.4830, and if you desaturate by 10%, it is 254.7720, 0.6420, -0.6220.

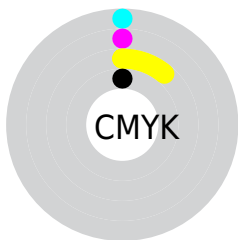
# Distribution



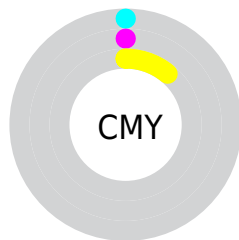
- Red (100%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (89%)



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




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


# Brightness & Saturation Gradients

These gradients show how the YIQ color 251.8080, 8.9880, -8.7080 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 251.8080, 8.9880, -8.7080 by changing the saturation by 10% instead.




 251.8080, 8.9880,  
-8.7080


 251.8080, 8.9880,  
-8.7080

255.0000, -0.0000,  
-0.0000


 222.9220, 8.6670,  
-8.3970

 195.0360, 8.3460,  
-8.0860

 168.0360, 8.3460,  
-8.0860

 141.7370, 7.7500,  
-8.2980

 115.9650, 7.1080,  
-7.6760

 91.3780, 7.3830,  
-7.1530

 68.0790, 6.7870,

-7.3650

■ 45.3070, 6.1450,  
-6.7430

■ 24.0360, 8.3460,  
-8.0860

■ 251.8080, 8.9880,  
-8.7080

■ 251.8080, 8.9880,  
-8.7080

■ 248.9580, 17.0130,  
-16.4830

254.7720, 0.6420,  
-0.6220

■ 245.9940, 25.3590,  
-24.5690

255.0000, -0.0000,  
-0.0000

■ 243.1440, 33.3840,  
-32.3440

■ 240.1800, 41.7300,  
-40.4300

■ 237.3300, 49.7550,  
-48.2050

■ 234.3660, 58.1010,  
-56.2910

■ 231.5160, 66.1260,  
-64.0660

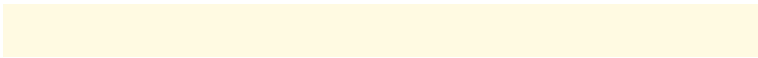
■ 228.5520, 74.4720,  
-72.1520

■ 225.9300, 81.8550,  
-79.3050

# Harmonies

## Analogous

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



248.7590, 10.6840, -6.4040



251.8080, 8.9880, -8.7080



247.9360, -3.1160, -9.6120

# Triad

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



251.8080, 8.9880, -8.7080



244.8340, -20.2640, -7.2080



248.5430, 3.0250, 5.7530

# Complementary

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



251.8080, 8.9880, -8.7080



230.1920, -8.9880, 8.7080

# Split Complementary

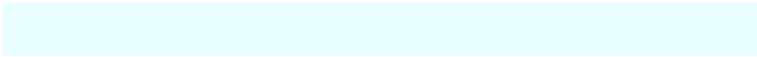
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



250.3040, 2.2000, 4.1840



251.8080, 8.9880, -8.7080



248.4220, -13.1120, -4.6640

# Square

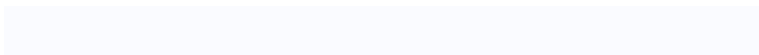
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



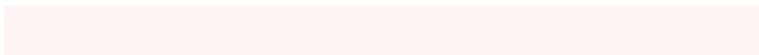
251.8080, 8.9880, -8.7080



244.2360, -21.4560, -7.6320



251.1570, -1.8800, 1.0320



247.4030, 6.2350, 2.6430



# Rectangle

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



251.8080, 8.9880, -8.7080



246.1570, -11.0480, -9.0320



251.1570, -1.8800, 1.0320



249.1300, 2.7500, 5.2300

# Sweetspot

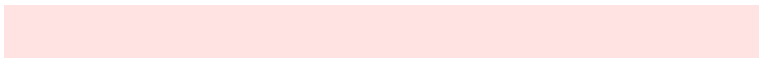
The Sweet Spot groups the original color and five complimentary colors.



251.8080, 8.9880, -8.7080



254.0880, 2.5680, -2.4880



235.3720, 16.6880, 5.9360



127.0170, 1.3300, -2.0780



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.



251.8080, 8.9880, -8.7080



251.2380, 10.5930, -10.2630



247.6220, 0.6440, -11.6760



126.2190, 3.5770, -4.2550



169.2260, 61.3110, -59.4010



56.7040, 20.5440, -19.9040



# Inverse Universe

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



230.1920, -8.9880, 8.7080



225.7620, -10.5930, 10.2630



234.3780, -0.6440, 11.6760



116.4820, -4.1730, 4.0430



21.7740, -61.3110, 59.4010

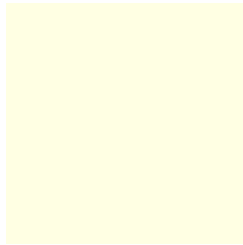


7.2960, -20.5440, 19.9040



# Previews

## White Background



This preview shows how the YIQ color 251.8080, 8.9880, -8.7080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

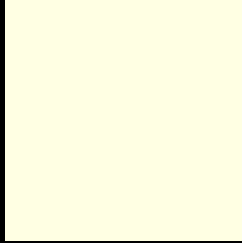
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 251.8080, 8.9880, -8.7080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

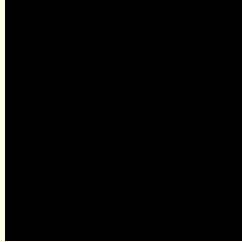
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 251.8080, 8.9880, -8.7080**

## **Background**



This preview shows how black text looks on a background with the YIQ color 251.8080, 8.9880, -8.7080.



This preview shows how white text looks on a background with the YIQ color 251.8080, 8.9880,

-8.7180.

# 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

251.8080, 8.9880, -8.7080



### Protanopia

253.1420, 2.4760, -0.8200

### Deuteranopia

253.4840, 1.5130, 0.1130

## **Tritanopia**

253.5270, -0.0460, 0.8340

# Trichromacy



**Original Color**

251.8080, 8.9880, -8.7080



**Protanomaly**

252.8170, 4.7690, -3.8310

**Deuteranomaly**

253.0450, 4.1270, -3.2090

**Tritanomaly**

252.9740, 2.8890, -2.7990

# Monochromacy



**Original Color**

251.8080, 8.9880, -8.7080



**Achromatopsia**

252.0000, 0.0000, 0.0000



**Achromatomaly**

251.8600, 3.2100, -3.1100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 251.8080, 8.9880, -8.7080 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(255, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 227)  
}
```

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(255, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 227) }
```

## Border

The CSS property to change the border of an element to YIQ 251.8080, 8.9880, -8.7080 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(255, 255, 227) }
```



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

```
.border{ border-color:rgb(255, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to YIQ 251.8080, 8.9880, -8.7080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 227) }
```

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

```
.background{ background-color: rgb(255,  
255, 227) }
```

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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