

# Converting Colors

YIQ(234.0950, -7.3370, 6.3190)

Have a look what the booklet for  
YIQ(234.0950, -7.3370, 6.3190)  
contains.

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# Color

**YIQ(234.0950, -7.3370,  
6.3190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E8FD
RGB	231, 232, 253
RGB Percent	91%, 91%, 99%
CMY	0.0941, 0.0902, 0.0079
CMYK	0.09, 0.08, 0.00, 0.01
HSL	237°, 85%, 95%
HSV	237°, 9%, 99%
XYZ	79.5404, 81.7940, 104.5144
YIQ	234.0950, -7.3370, 6.3190

# Conversions

## Conversions Part 2

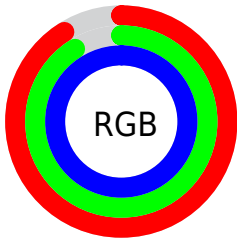
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 232, 253
Decimal	15198461
CIE <sub>Lab</sub>	92.48, 3.58, -10.25
CIE <sub>LCh</sub>	92, 10.854, 289.241
Yxy	81.7940, 0.2992, 0.3077
Android (android.graphics.Color)	4293388541 (0xFFE7E8FD)
YUV	234.0950, 9.3202, -2.7143
Hunter-Lab	90.4400, -1.2825, -5.2088

# Details

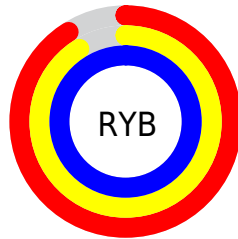
The YIQ color  $234.0950, -7.3370, 6.3190$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $249.9050, 7.3370, -6.3190$ , and the grayscale version is  $234.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $177.9810, -7.0160, 6.0080$  is the 20% darker color. If you saturate the color by 10%, you get  $212.5320, -15.6370, 13.5710$ , and if you desaturate by 10%, it is  $254.7720, 0.6420, -0.6220$ .

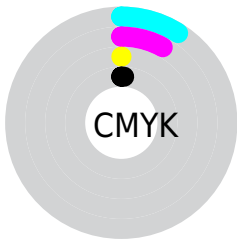
# Distribution



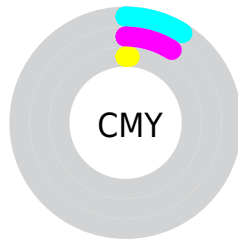
- Red (91%)
- Green (91%)
- Blue (99%)



- Red (91%)
- Yellow (91%)
- Blue (99%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (9%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 234.0950, -7.3370, 6.3190 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 234.0950, -7.3370, 6.3190 by changing the saturation by 10% instead.



■ 234.0950, -7.3370,  
6.3190

■ 234.0950, -7.3370,  
6.3190

255.0000, -0.0000,  
-0.0000

■ 205.9810, -7.0160,  
6.0080

■ 177.9810, -7.0160,  
6.0080

■ 151.8670, -6.6950,  
5.6970

■ 125.8670, -6.6950,  
5.6970

■ 100.7530, -6.3740,  
5.3860

■ 76.6390, -6.0530,  
5.0750

■ 54.2260, -6.3280,

4.5520

■ 33.1120, -6.0070,  
4.2410

■ 9.1660, -6.0990,  
5.9090

■ 234.0950, -7.3370,  
6.3190

■ 234.0950, -7.3370,  
6.3190

■ 212.5320,  
-15.6370, 13.5710

254.7720, 0.6420,  
-0.6220

■ 190.6700,  
-24.5330, 20.6110

■ 169.1070,  
-32.8330, 27.8630

■ 146.9570,  
-40.8580, 35.6380

■ 125.3940,  
-49.1580, 42.8900

■ 103.5320,  
-58.0540, 49.9300

■ 81.9690, -66.3540,  
57.1820

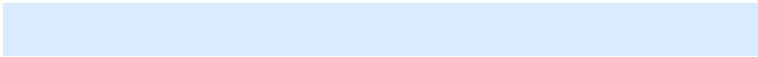
■ 60.4060, -74.6540,  
64.4340

■ 38.5440, -83.5500,  
71.4740

# Harmonies

## Analogous

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



232.3820, -15.6350, 2.5170



234.0950, -7.3370, 6.3190



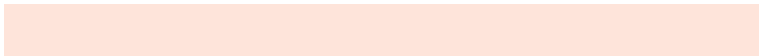
235.5370, 3.1620, 8.7780

# Triad

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



234.0950, -7.3370, 6.3190



234.6340, 18.7060, 2.4020



230.0860, -12.2860, -8.6220

# Complementary

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



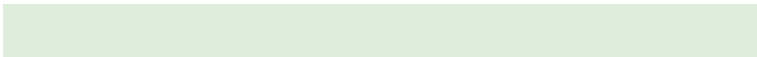
234.0950, -7.3370, 6.3190



249.9050, 7.3370, -6.3190

# Split Complementary

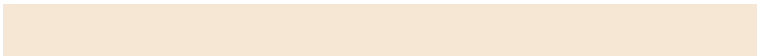
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



231.4630, -3.1620, -8.7780



234.0950, -7.3370, 6.3190



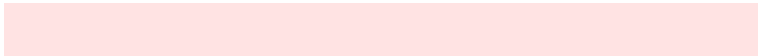
233.4330, 14.7180, -2.4180

# Square

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



234.0950, -7.3370, 6.3190



235.3720, 16.6880, 5.9360



232.6060, 6.7410, -6.5310



230.4320, -19.0720, -6.7840



# Rectangle

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



234.0950, -7.3370, 6.3190



235.4730, 9.2140, 9.2300



232.6060, 6.7410, -6.5310



230.6410, -9.5350, -8.9190

# Sweetspot

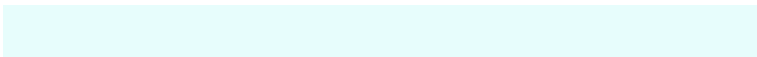
The Sweet Spot groups the original color and five complimentary colors.



234.0950, -7.3370, 6.3190



248.4990, -2.8430, 1.9650



246.3080, -12.7910, -4.9750



123.2710, -2.2010, 1.3430



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.



234.0950, -7.3370, 6.3190



233.4370, -8.3000, 7.2520



236.4980, -1.1020, 8.9620



116.4820, -4.1730, 4.0430



27.0570, -63.7860, 54.6940



9.0570, -21.3690, 18.3350

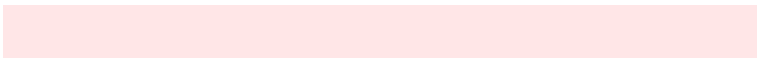


# Inverse Universe

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



237.6920, 12.7910, 4.9750



237.5890, 14.5790, 5.6110



247.5020, 1.1020, -8.9620



118.8870, 7.7480, 2.7560



58.1350, 110.9470, 43.2910

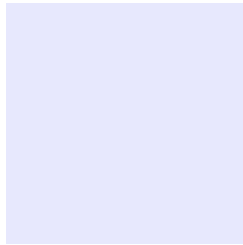


19.4780, 37.1810, 14.5010



# Previews

## White Background



This preview shows how the YIQ color 234.0950, -7.3370, 6.3190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

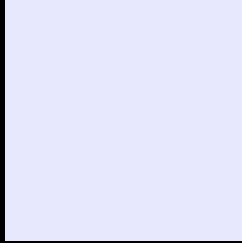
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 234.0950, -7.3370, 6.3190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

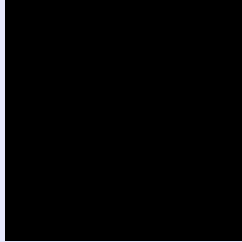
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 234.0950, -7.3370, 6.3190**

## **Background**



This preview shows how black text looks on a background with the YIQ color 234.0950, -7.3370, 6.3190.



This preview shows how white text looks on a background with the YIQ color 234.0950, -7.3370,

6.3190.

# 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

234.0950, -7.3370, 6.3190

### Protanopia

234.3940, -6.7410, 6.5310

### Deuteranopia

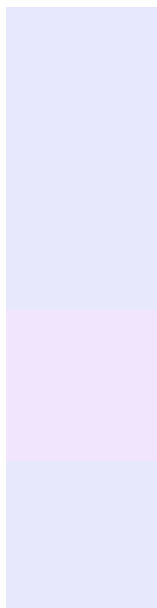
235.7590, 2.6570, 12.4250



## Tritanopia

233.8670, -6.6950, 5.6970

# Trichromacy



## Original Color

234.0950, -7.3370, 6.3190

## Protanomaly

234.3940, -6.7410, 6.5310

## Deuteranomaly

235.4380, -0.8730, 10.3190

## Tritanomaly

233.9810, -7.0160, 6.0080

# Monochromacy



## Original Color

234.0950, -7.3370, 6.3190

## Achromatopsia

234.0000, -0.0000, 0.0000

## Achromatomaly

233.9120, -2.5680, 2.4880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 234.0950, -7.3370, 6.3190 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(231, 232, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 253)  
}
```

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(231, 232, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 253) }
```

## Border

The CSS property to change the border of an element to YIQ 234.0950, -7.3370, 6.3190 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(231, 232, 253) }
```



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

```
.border{ border-color:rgb(231, 232, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
253) }
```

# Background

The CSS property to change the background color of an element to YIQ 234.0950, -7.3370, 6.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 253) }
```

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

```
.background{ background-color: rgb(231,  
232, 253) }
```

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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