

# Converting Colors

YIQ(230.1340, -3.0730, 6.1350)

Have a look what the booklet for  
YIQ(230.1340, -3.0730, 6.1350)  
contains.

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# Color

**YIQ(230.1340, -3.0730,  
6.1350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7E3F4
RGB	231, 227, 244
RGB Percent	91%, 89%, 96%
CMY	0.0941, 0.1098, 0.0432
CMYK	0.05, 0.07, 0.00, 0.04
HSL	254°, 44%, 92%
HSV	254°, 7%, 96%
XYZ	76.7534, 78.4583, 96.6814
YIQ	230.1340, -3.0730, 6.1350

# Conversions

## Conversions Part 2

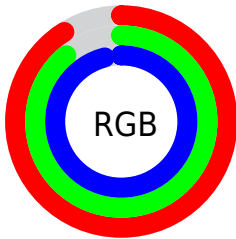
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 227, 244
Decimal	15197172
CIE <sub>Lab</sub>	90.99, 4.45, -7.77
CIE <sub>LCh</sub>	91, 8.954, 299.823
Yxy	78.4583, 0.3047, 0.3115
Android (android.graphics.Color)	4293387252 (0xFFE7E3F4)
YUV	230.1340, 6.8359, 0.7595
Hunter-Lab	88.5767, -0.3355, -2.7113

# Details

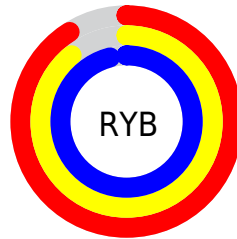
The YIQ color  $230.1340, -3.0730, 6.1350$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $240.8660, 3.0730, -6.1350$ , and the grayscale version is  $230.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $174.7210, -3.3480, 5.6120$  is the 20% darker color. If you saturate the color by 10%, you get  $210.3650, -7.7970, 14.6590$ , and if you desaturate by 10%, it is  $249.9030, 1.6510, -2.3890$ .

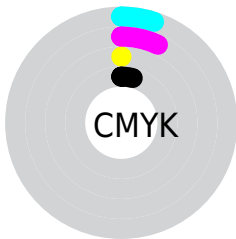
# Distribution



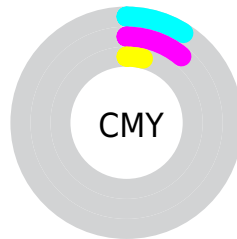
- Red (91%)
- Green (89%)
- Blue (96%)



- Red (91%)
- Yellow (89%)
- Blue (96%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (11%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 230.1340, -3.0730, 6.1350 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 230.1340, -3.0730, 6.1350 by changing the saturation by 10% instead.



■ 230.1340, -3.0730,  
6.1350

■ 230.1340, -3.0730,  
6.1350

255.0000, -0.0000,  
-0.0000

■ 202.1340, -3.0730,  
6.1350

■ 174.7210, -3.3480,  
5.6120

■ 148.0200, -2.7520,  
5.8240

■ 122.6070, -3.0270,  
5.3010

■ 97.4930, -2.7060,  
4.9900

■ 73.4930, -2.7060,  
4.9900

■ 51.3790, -2.3850,

4.6790

■ 29.9660, -2.6600,  
4.1560

■ 4.6610, -3.1190,  
6.9690

■ 230.1340, -3.0730,  
6.1350

■ 230.1340, -3.0730,  
6.1350

■ 210.3650, -7.7970,  
14.6590

■ 249.9030, 1.6510,  
-2.3890

■ 190.3080,  
-11.6500, 23.9180

■ 253.7460, 3.5310,  
-3.4210

■ 170.5390,  
-16.3740, 32.4420

■ 150.1830,  
-20.8230, 41.4890

■ 130.7130,  
-24.9510, 50.2250

■ 110.9440,  
-29.6750, 58.7490

■ 90.5880, -34.1240,  
67.7960

■ 71.1180, -38.2520,  
76.5320

■ 50.7620, -42.7010,  
85.5790

# Harmonies

## Analogous

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



228.8340, -11.0960, 2.8560



230.1340, -3.0730, 6.1350



231.2660, 5.3630, 7.4350

# Triad

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



230.1340, -3.0730, 6.1350



230.1280, 14.2590, 0.3950



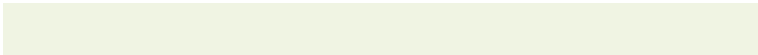
226.2540, -12.6990, -6.6430

# Complementary

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



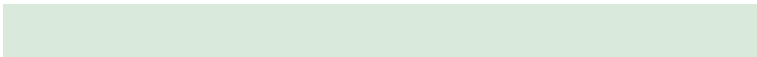
230.1340, -3.0730, 6.1350



240.8660, 3.0730, -6.1350

# Split Complementary

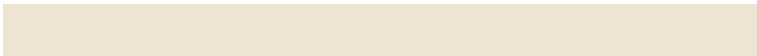
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



226.7340, -5.3630, -7.4350



230.1340, -3.0730, 6.1350



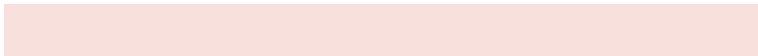
228.8670, 10.5000, -3.0680

# Square

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



230.1340, -3.0730, 6.1350



230.8340, 15.2670, 4.1550



227.8660, 3.0730, -6.1350



226.5680, -16.4590, -4.5790



# Rectangle

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



230.1340, -3.0730, 6.1350



231.1910, 9.9480, 6.9400



227.8660, 3.0730, -6.1350



226.5100, -10.5440, -7.1520

# Sweetspot

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



230.1340, -3.0730, 6.1350



250.8690, -1.0090, 1.7670



236.5690, -9.0320, -1.5120



125.6410, -0.3670, 1.1450



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.



230.1340, -3.0730, 6.1350



238.4760, -4.0360, 7.0680



232.5260, 1.6950, 7.8310



112.2650, -2.0640, 4.3680



34.3600, -33.4820, 67.1740



10.9120, -10.5950, 21.3170



# Inverse Universe

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



233.5650, 5.9590, 7.6470



242.6900, 7.1050, 8.9050



238.4740, -1.6950, -7.8310



114.7280, 3.9420, 5.6540



71.8020, 65.2740, 83.5940

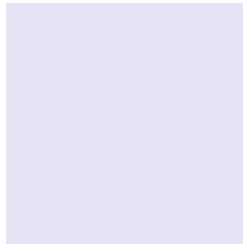


22.7710, 20.7190, 26.5030



# Previews

## White Background



This preview shows how the YIQ color 230.1340, -3.0730, 6.1350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

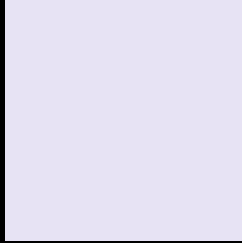
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 230.1340, -3.0730, 6.1350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

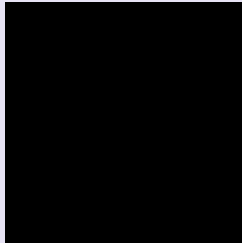
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 230.1340, -3.0730, 6.1350**

## **Background**



This preview shows how black text looks on a background with the YIQ color 230.1340, -3.0730, 6.1350.



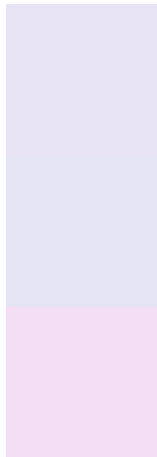
This preview shows how white text looks on a background with the YIQ color 230.1340, -3.0730,

6.1350.

# 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

230.1340, -3.0730, 6.1350

### Protanopia

230.1230, -4.5400, 5.1880

### Deuteranopia

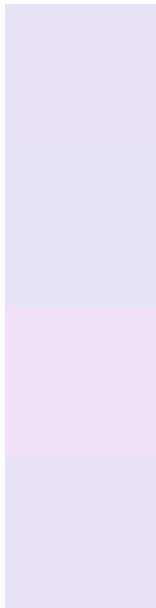
231.2000, 5.7290, 11.8170



## Tritanopia

230.2480, -3.3940, 6.4460

# Trichromacy



## Original Color

230.1340, -3.0730, 6.1350

## Protanomaly

230.4220, -3.9440, 5.4000

## Deuteranomaly

230.8790, 2.1990, 9.7110

## Tritanomaly

230.2480, -3.3940, 6.4460

# Monochromacy



## Original Color

230.1340, -3.0730, 6.1350

## Achromatopsia

230.0000, -0.0000, 0.0000

## Achromatomaly

229.9830, -1.3300, 2.0780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 230.1340, -3.0730, 6.1350 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, 227, 244)` looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 244)  
}
```

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, 227, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 244) }
```

## Border

The CSS property to change the border of an element to YIQ 230.1340, -3.0730, 6.1350 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, 227, 244) }
```



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

```
.border{ border-color:rgb(231, 227, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 244);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
244) }
```

# Background

The CSS property to change the background color of an element to YIQ 230.1340, -3.0730, 6.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 244) }
```

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

```
.background{ background-color: rgb(231,  
227, 244) }
```

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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