

# Converting Colors

YIQ(236.8100, -2.5210, -3.8730)

Have a look what the booklet for  
YIQ(236.8100, -2.5210, -3.8730)  
contains.

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# Color

**YIQ(236.8100, -2.5210,  
-3.8730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F0E9
RGB	232, 240, 233
RGB Percent	91%, 94%, 91%
CMY	0.0902, 0.0588, 0.0863
CMYK	0.03, 0.00, 0.03, 0.06
HSL	128°, 21%, 93%
HSV	128°, 3%, 94%
XYZ	79.1457, 85.3601, 89.3946
YIQ	236.8100, -2.5210, -3.8730

# Conversions

## Conversions Part 2

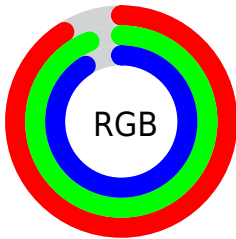
Format	Color
R <sub>Y</sub> B	232, 239, 240
Decimal	15266025
CIE Lab	94.04, -3.90, 2.45
CIE LCh	94, 4.606, 147.931
Yxy	85.3601, 0.3117, 0.3362
Android (android.graphics.Color)	4293456105 (0xFFE8F0E9)
YUV	236.8100, -1.8783, -4.2184
Hunter-Lab	92.3905, -8.7727, 7.3059

# Details

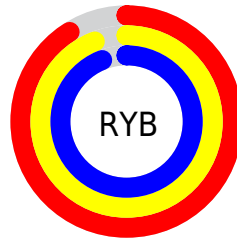
The YIQ color  $236.8100, -2.5210, -3.8730$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $235.1900, 2.5210, 3.8730$ , and the grayscale version is  $237.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.8100, -2.5210, -3.8730$  is the 20% darker color. If you saturate the color by 10%, you get  $227.2400, -10.0840, -15.4920$ , and if you desaturate by 10%, it is  $246.0810, 4.4460, 7.5340$ .

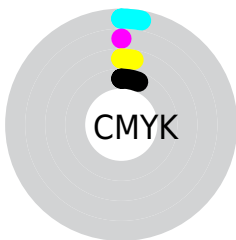
# Distribution



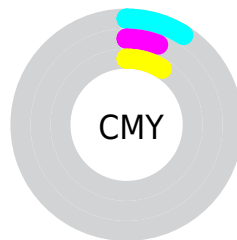
- Red (91%)
- Green (94%)
- Blue (91%)



- Red (91%)
- Yellow (94%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 236.8100, -2.5210, -3.8730 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 236.8100, -2.5210, -3.8730 by changing the saturation by 10% instead.



■ 236.8100, -2.5210,  
-3.8730

■ 236.8100, -2.5210,  
-3.8730

255.0000, -0.0000,  
-0.0000

■ 208.8100, -2.5210,  
-3.8730

■ 180.8100, -2.5210,  
-3.8730

■ 154.2230, -2.2460,  
-3.3500

■ 128.2230, -2.2460,  
-3.3500

■ 103.2230, -2.2460,  
-3.3500

■ 79.2230, -2.2460,  
-3.3500

■ 56.5220, -1.6500,

-3.1380

■ 34.6360, -1.9710,  
-2.8270

■ 12.5110, -3.1170,  
-4.0850

■ 236.8100, -2.5210,  
-3.8730

■ 236.8100, -2.5210,  
-3.8730

■ 227.2400,  
-10.0840, -15.4920

■ 246.0810, 4.4460,  
7.5340

■ 217.6700,  
-17.6470, -27.1110

■ 246.1950, 4.1250,  
7.8450

■ 208.1000,  
-25.2100, -38.7300

■ 198.5300,  
-32.7730, -50.3490

■ 188.9600,  
-40.3360, -61.9680

■ 179.3900,  
-47.8990, -73.5870

■ 169.8200,  
-55.4620, -85.2060

■ 160.2500,  
-63.0250, -96.8250

■ 150.6800,  
-70.5880, -108.4440

# Harmonies

## Analogous

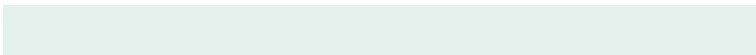
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237.3760, 1.6970, -3.2230



236.8100, -2.5210, -3.8730



236.6570, -6.4640, -4.0000

# Triad

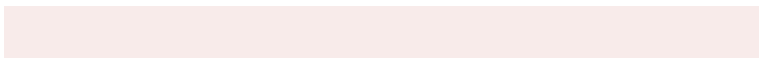
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.8100, -2.5210, -3.8730



237.5310, -5.8690, 1.7390



238.7730, 8.0690, 2.4450

# Complementary

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



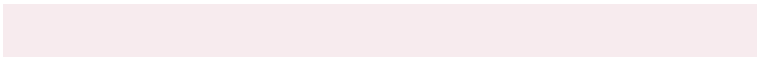
236.8100, -2.5210, -3.8730



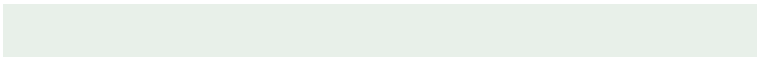
235.1900, 2.5210, 3.8730

# 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.



238.9300, 6.1890, 3.4770



236.8100, -2.5210, -3.8730



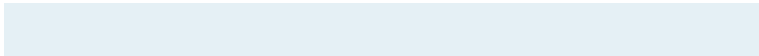
238.6240, -1.6970, 3.2230

# Square

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



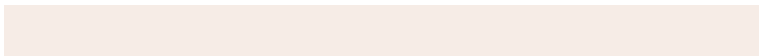
236.8100, -2.5210, -3.8730



237.2810, -8.1610, -0.7770



239.1900, 2.5210, 3.8730



238.3060, 7.8860, 0.2540

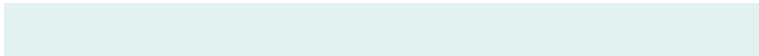


# Rectangle

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



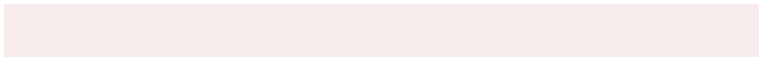
236.8100, -2.5210, -3.8730



236.7000, -8.0230, -3.2790



239.1900, 2.5210, 3.8730



238.8870, 7.7480, 2.7560

# Sweetspot

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



236.8100, -2.5210, -3.8730



253.8750, -1.1460, -1.2580



238.7890, 1.9720, -2.7000



127.1740, -0.5500, -1.0460



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

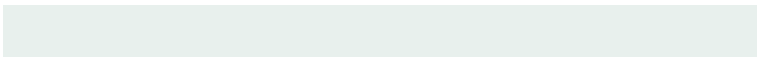
The Same Dimension uses a secret algorithm to generate beautiful new colors.



236.8100, -2.5210, -3.8730



250.9840, -3.0710, -4.9190



237.2660, -3.8050, -2.6290



117.6360, -1.9710, -2.8270



110.6300, -57.9830, -89.0790



33.6700, -17.6470, -27.1110



# Inverse Universe

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



235.1900, 2.5210, 3.8730



249.0160, 3.0710, 4.9190



234.7340, 3.8050, 2.6290



116.3640, 1.9710, 2.8270



73.3700, 57.9830, 89.0790

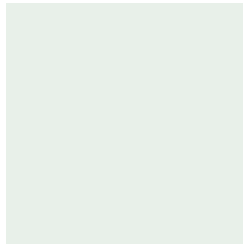


22.3300, 17.6470, 27.1110



# Previews

## White Background



This preview shows how the YIQ color 236.8100, -2.5210, -3.8730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

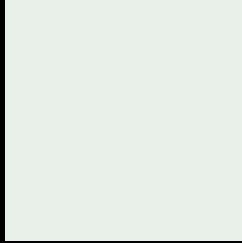
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 236.8100, -2.5210, -3.8730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

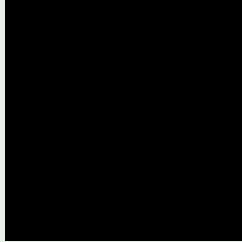
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

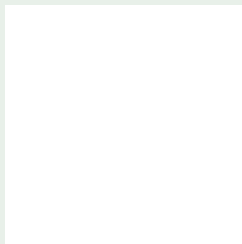
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 236.8100, -2.5210, -3.8730**

## **Background**



This preview shows how black text looks on a background with the YIQ color 236.8100, -2.5210, -3.8730.



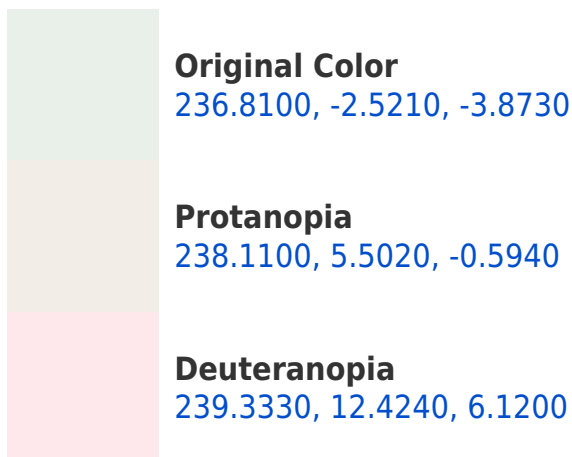
This preview shows how white text looks on a background with the YIQ color 236.8100, -2.5210, -3.8730.

-3.8730.

# 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

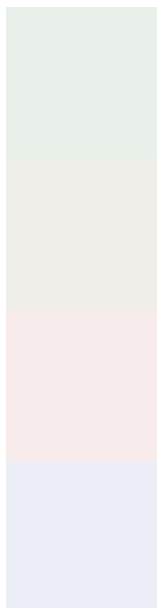




## Tritanopia

238.7530, -6.3740, 5.3860

# Trichromacy



## Original Color

236.8100, -2.5210, -3.8730

## Protanomaly

237.6150, 2.5220, -1.6540

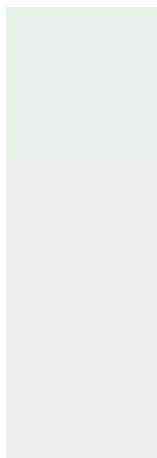
## Deuteranomaly

238.5880, 7.1520, 2.5440

## Tritanomaly

238.1290, -4.6770, 2.1630

# Monochromacy



## Original Color

236.8100, -2.5210, -3.8730

## Achromatopsia

237.0000, -0.0000, -0.0000

## Achromatomaly

236.8750, -1.1460, -1.2580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 236.8100, -2.5210, -3.8730 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(232, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 233)  
}
```

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(232, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 236.8100, -2.5210, -3.8730 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(232, 240, 233) }
```



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

```
.border{ border-color:rgb(232, 240, 233) }
```

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

Here you see how a box with a 4 pixel rgb(232, 240, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 236.8100, -2.5210, -3.8730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 233) }
```

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

```
.background{ background-color: rgb(232,  
240, 233) }
```

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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