

# Converting Colors

YIQ(230.8760, -2.8870, -8.2550)

Have a look what the booklet for  
YIQ(230.8760, -2.8870, -8.2550)  
contains.

<b>YIQ(230.8760, -2.8870, -8.2550)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(230.8760, -2.8870,  
-8.2550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEDDC
RGB	223, 237, 220
RGB Percent	87%, 93%, 86%
CMY	0.1255, 0.0705, 0.1372
CMYK	0.06, 0.00, 0.07, 0.07
HSL	109°, 32%, 90%
HSV	109°, 7%, 93%
XYZ	73.6322, 81.4253, 79.5463
YIQ	230.8760, -2.8870, -8.2550

# Conversions

## Conversions Part 2

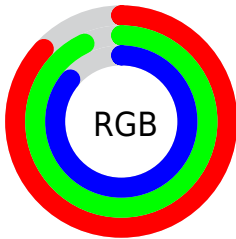
Format	Color
RYB	220, 237, 234
Decimal	14675420
CIELab	92.32, -7.69, 6.63
CIELCh	92, 10.152, 139.220
Yxy	81.4253, 0.3139, 0.3471
Android (android.graphics.Color)	4292865500 (0xFFDFEDDC)
YUV	230.8760, -5.3619, -6.9073
Hunter-Lab	90.2360, -12.2576, 10.8989

# Details

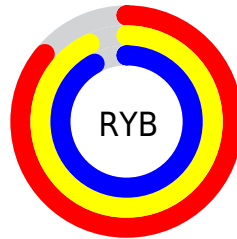
The YIQ color  $230.8760, -2.8870, -8.2550$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $226.1240, 2.8870, 8.2550$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $175.2890, -2.6120, -7.7320$  is the 20% darker color. If you saturate the color by 10%, you get  $222.1600, -7.1030, -19.9590$ , and if you desaturate by 10%, it is  $239.5920, 1.3290, 3.4490$ .

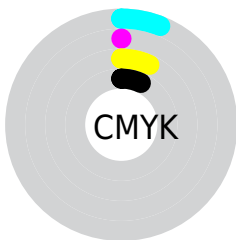
# Distribution



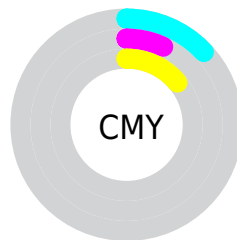
- Red (87%)
- Green (93%)
- Blue (86%)



- Red (86%)
- Yellow (93%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 230.8760, -2.8870, -8.2550 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 230.8760, -2.8870, -8.2550 by changing the saturation by 10% instead.



■ 230.8760, -2.8870,  
-8.2550

■ 230.8760, -2.8870,  
-8.2550

255.0000, -0.0000,  
-0.0000

■ 202.8760, -2.8870,  
-8.2550

■ 175.2890, -2.6120,  
-7.7320

■ 148.4030, -2.9330,  
-7.4210

■ 122.7020, -2.3370,  
-7.2090

■ 97.8160, -2.6580,  
-6.8980

■ 74.1150, -2.0620,  
-6.6860

■ 51.2290, -2.3830,

-6.3750

■ 30.3430, -2.7040,  
-6.0640

■ 8.2180, -3.8500,  
-7.3220

■ 230.8760, -2.8870,  
-8.2550

■ 230.8760, -2.8870,  
-8.2550

■ 222.1600, -7.1030,  
-19.9590

■ 239.5920, 1.3290,  
3.4490

■ 213.8570,  
-11.0440, -31.1400

■ 244.4340, 4.9500,  
9.4140

■ 205.1410,  
-15.2600, -42.8440

■ 196.7240,  
-18.8800, -54.3360

■ 188.0080,  
-23.0960, -66.0400

■ 179.7050,  
-27.0370, -77.2210

■ 170.9890,  
-31.2530, -88.9250

■ 162.5720,  
-34.8730, -100.4170

■ 153.9700,  
-39.4100, -111.8100

# Harmonies

## Analogous

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



231.8340, 6.0990, -5.9090



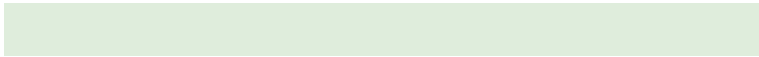
230.8760, -2.8870, -8.2550



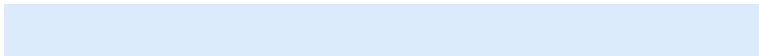
230.3850, -11.6900, -8.4100

# Triad

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



230.8760, -2.8870, -8.2550



232.1540, -14.9930, 1.8950



235.0730, 16.0920, 5.7240

# Complementary

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



230.8760, -2.8870, -8.2550



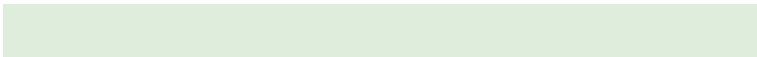
226.1240, 2.8870, 8.2550

# 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.



235.3160, 11.0940, 8.1980



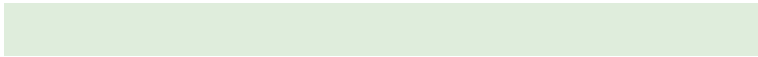
230.8760, -2.8870, -8.2550



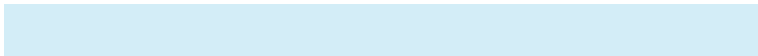
233.8670, -6.6950, 5.6970

# Square

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



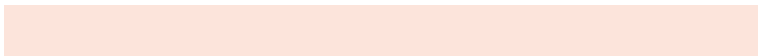
230.8760, -2.8870, -8.2550



230.3660, -18.7060, -2.4020



234.8250, 2.2910, 8.0430

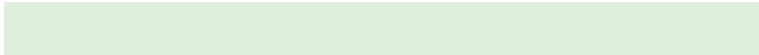


234.1500, 17.1930, 2.2890



# Rectangle

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



230.8760, -2.8870, -8.2550



229.9870, -16.3210, -7.0810



234.8250, 2.2910, 8.0430



234.8280, 15.4040, 7.1800

# Sweetspot

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



230.8760, -2.8870, -8.2550



253.2340, -0.7790, -2.4030



233.3010, 6.2820, -3.7180



126.7610, -0.8250, -1.5690



0.0000, 0.0000, 0.0000

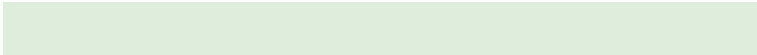


128.0000, -0.0000, -0.0000

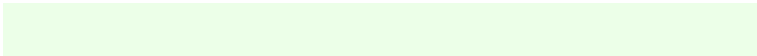


# Same Dimension

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



230.8760, -2.8870, -8.2550



246.6970, -3.9410, -11.1810



230.5490, -6.2800, -7.3360



113.0550, -1.8330, -5.3290



115.8150, -30.7030, -87.8790



34.3890, -9.4860, -26.3340



# Inverse Universe

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



226.1240, 2.8870, 8.2550



240.3030, 3.9410, 11.1810



226.4510, 6.2800, 7.3360



109.9450, 1.8330, 5.3290



65.1850, 30.7030, 87.8790

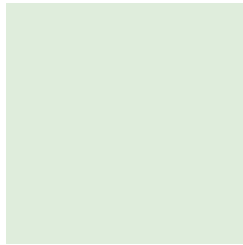


19.3120, 8.8900, 26.1220



# Previews

## White Background



This preview shows how the YIQ color 230.8760, -2.8870, -8.2550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

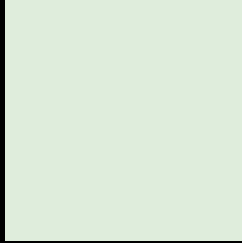
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 230.8760, -2.8870, -8.2550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

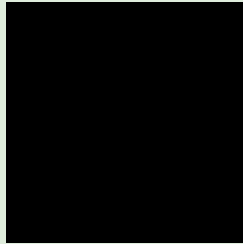
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

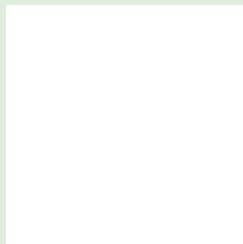
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 230.8760, -2.8870, -8.2550

## Background



This preview shows how black text looks on a background with the YIQ color 230.8760, -2.8870, -8.2550.



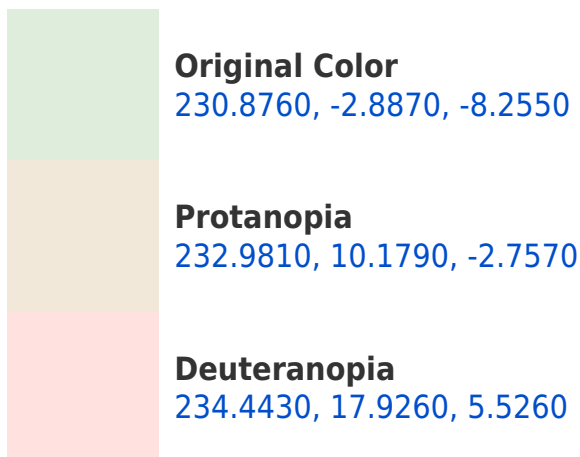
This preview shows how white text looks on a background with the YIQ color 230.8760, -2.8870, -8.2550.

-8.2550.

# 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

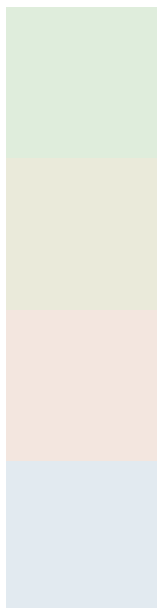




## Tritanopia

232.9700, -8.4830, 5.0610

# Trichromacy



## Original Color

230.8760, -2.8870, -8.2550

## Protanomaly

232.1760, 5.1360, -4.9760

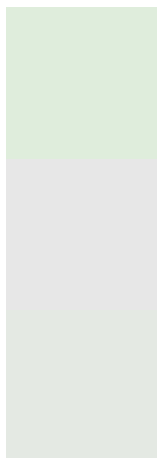
## Deuteranomaly

233.0890, 9.9950, 0.5790

## Tritanomaly

232.2920, -6.6940, 0.1700

# Monochromacy



## Original Color

230.8760, -2.8870, -8.2550

## Achromatopsia

231.0000, -0.0000, -0.0000

## Achromatomaly

230.8210, -1.0540, -2.9260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 230.8760, -2.8870, -8.2550 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(223, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(223, 237, 220)  
}
```

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(223, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 220) }
```

## Border

The CSS property to change the border of an element to YIQ 230.8760, -2.8870, -8.2550 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(223, 237, 220) }
```



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

```
.border{ border-color:rgb(223, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(223, 237,  
220) }
```

# Background

The CSS property to change the background color of an element to YIQ 230.8760, -2.8870, -8.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 220) }
```

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

```
.background{ background-color: rgb(223,  
237, 220) }
```

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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