

# Converting Colors

YIQ(236.7850, -10.5410,  
-23.7330)

Have a look what the booklet for  
YIQ(236.7850, -10.5410, -23.7330)  
contains.

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# Color

**YIQ(236.7850, -10.5410,  
-23.7330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFD0
RGB	212, 255, 208
RGB Percent	83%, 100%, 82%
CMY	0.1688, 0.0000, 0.1843
CMYK	0.17, 0.00, 0.18, 0.00
HSL	115°, 100%, 91%
HSV	115°, 18%, 100%
XYZ	74.2867, 90.0661, 73.1428
YIQ	236.7850, -10.5410, -23.7330

# Conversions

## Conversions Part 2

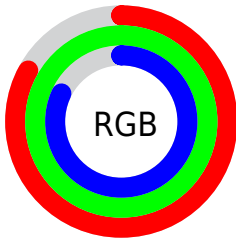
<b>Format</b>	<b>Color</b>
<b>RYB</b>	208, 255, 251
Decimal	13959120
CIELab	96.02, -22.29, 17.99
CIELCh	96, 28.645, 141.106
Yxy	90.0661, 0.3128, 0.3792
Android (android.graphics.Color)	4292149200 (0xFFD4FFD0)
YUV	236.7850, -14.1910, -21.7364
Hunter-Lab	94.9031, -26.3572, 20.7368

# Details

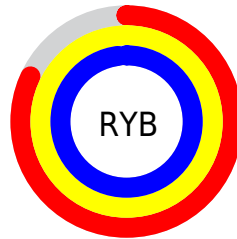
The YIQ color  $236.7850, -10.5410, -23.7330$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $226.2150, 10.5410, 23.7330$ , and the grayscale version is  $237.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.7250, -10.3120, -22.3760$  is the 20% darker color. If you saturate the color by 10%, you get  $227.0580, -16.2240, -36.3840$ , and if you desaturate by 10%, it is  $246.6260, -5.1790, -10.7710$ .

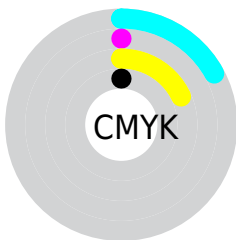
# Distribution



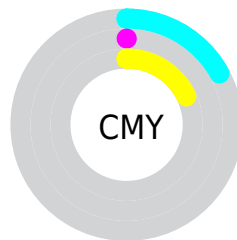
- Red (83%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 236.7850, -10.5410, -23.7330 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 236.7850, -10.5410, -23.7330 by changing the saturation by 10% instead.



■ 236.7850,  
-10.5410, -23.7330

■ 236.7850,  
-10.5410, -23.7330

255.0000, -0.0000,  
-0.0000

■ 208.1980,  
-10.2660, -23.2100

■ 180.7250,  
-10.3120, -22.3760

■ 153.7250,  
-10.3120, -22.3760

■ 127.5510, -9.7620,  
-21.3300

■ 102.0780, -9.8080,  
-20.4960

■ 77.6050, -9.8540,  
-19.6620

■ 54.4200, -10.7710,

-19.5630

■ 31.2350, -11.6880,  
-19.4640

■ 16.4360, -7.7000,  
-14.6440

■ 236.7850,  
-10.5410, -23.7330

■ 236.7850,  
-10.5410, -23.7330

■ 227.0580,  
-16.2240, -36.3840

■ 246.6260, -5.1790,  
-10.7710

■ 216.9180,  
-22.1820, -49.5580

255.0000, -0.0000,  
-0.0000

■ 207.1910,  
-27.8650, -62.2090

■ 197.3500,  
-33.2270, -75.1710

■ 187.3240,  
-39.5060, -88.0340

■ 177.4830,  
-44.8680, -100.9960

■ 167.7560,  
-50.5510, -113.6470

■ 157.6160,  
-56.5090, -126.8210

■ 156.2630,  
-57.0130, -128.7010

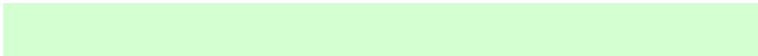
# Harmonies

## Analogous

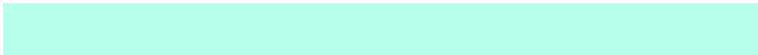
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



240.4200, 15.5920, -18.2640



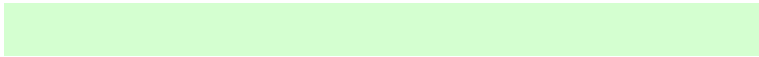
236.7850, -10.5410, -23.7330



231.0780, -36.1710, -21.7950

# Triad

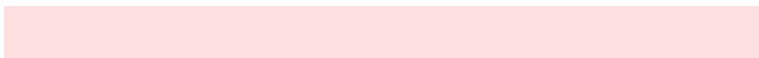
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.7850, -10.5410, -23.7330



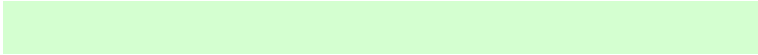
235.0330, -31.1300, -8.5220



233.3830, 18.1550, 6.8830

# Complementary

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



236.7850, -10.5410, -23.7330



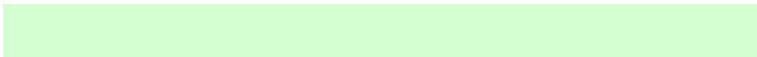
226.2150, 10.5410, 23.7330

# 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.



236.5750, 9.1670, 15.5910



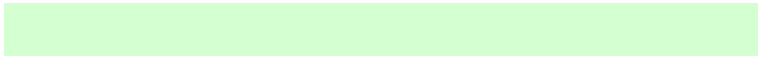
236.7850, -10.5410, -23.7330



240.2260, -6.3280, 4.5520

# Square

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



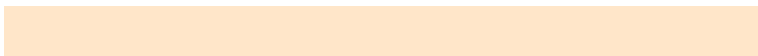
236.7850, -10.5410, -23.7330



230.1830, -49.4680, -17.5960



240.3250, 6.8750, 13.0750

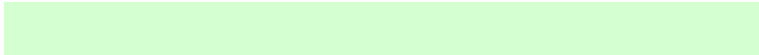


234.1690, 24.2090, -3.7190

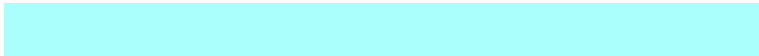


# Rectangle

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



236.7850, -10.5410, -23.7330



229.3570, -50.0180, -18.6420



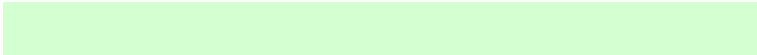
240.3250, 6.8750, 13.0750



234.4090, 15.2660, 9.6820

# Sweetspot

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



236.7850, -10.5410, -23.7330



249.1040, -3.5290, -7.6330



246.7070, 16.4620, -12.0020



124.2830, -2.4750, -4.7070



0.0000, 0.0000, 0.0000

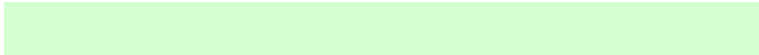


128.0000, -0.0000, -0.0000

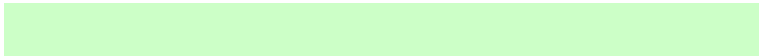


# Same Dimension

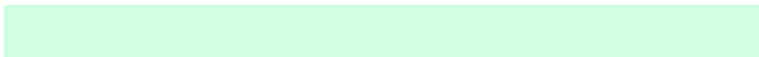
The Same Dimension uses a secret algorithm to generate beautiful new colors.



236.7850, -10.5410, -23.7330



233.3670, -12.4200, -28.2280



237.7550, -19.0240, -18.6720



122.9300, -2.9790, -6.5870



116.9010, -42.9890, -96.5010



39.0630, -14.6200, -32.4120



# Inverse Universe

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



226.2150, 10.5410, 23.7330



220.6330, 12.4200, 28.2280



225.2450, 19.0240, 18.6720



119.7710, 2.3830, 6.3750



74.0990, 42.9890, 96.5010

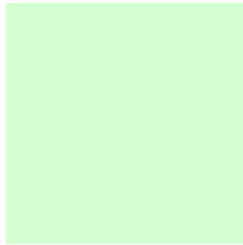


24.6380, 14.0240, 32.2000



# Previews

## White Background



This preview shows how the YIQ color 236.7850, -10.5410, -23.7330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

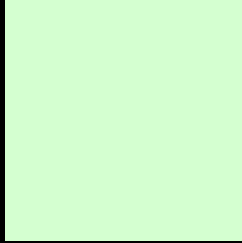
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 236.7850, -10.5410, -23.7330 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

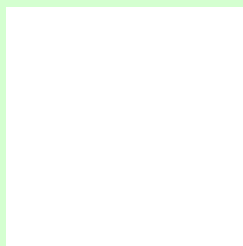
Any Text WCAG AAA ✓ Pass

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

# YIQ 236.7850, -10.5410, -23.7330 Background



This preview shows how black text looks on a background with the YIQ color 236.7850, -10.5410, -23.7330.



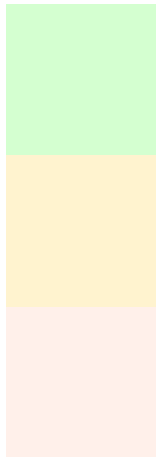
This preview shows how white text looks on a background with the YIQ color 236.7850, -10.5410, -23.7330.

-23.7330.

# 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

236.7850, -10.5410, -23.7330

### Protanopia

242.4840, 18.7080, -8.6520

### Deuteranopia

243.8010, 10.8660, 1.3140



## Tritanopia

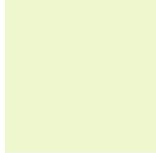
242.5520, -10.3620, 0.5660

# Trichromacy



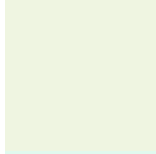
## Original Color

236.7850, -10.5410, -23.7330



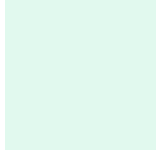
## Protanomaly

240.0480, 8.0720, -14.1360



## Deuteranomaly

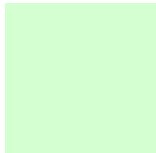
240.9260, 2.8440, -7.4920



## Tritanomaly

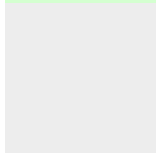
240.5700, -10.7730, -8.5090

# Monochromacy



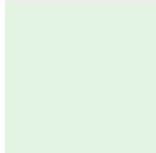
## Original Color

236.7850, -10.5410, -23.7330



## Achromatopsia

237.0000, -0.0000, -0.0000



## Achromatomaly

237.1640, -3.7580, -8.9900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 236.7850, -10.5410, -23.7330 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(212, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 208)  
}
```

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(212, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 208) }
```

## Border

The CSS property to change the border of an element to YIQ 236.7850, -10.5410, -23.7330 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(212, 255, 208) }
```



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

```
.border{ border-color:rgb(212, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
208) }
```

# Background

The CSS property to change the background color of an element to YIQ 236.7850, -10.5410, -23.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 208) }
```

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

```
.background{ background-color: rgb(212,  
255, 208) }
```

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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