

# Converting Colors

YIQ(237.6650, 7.1120, -29.7840)

Have a look what the booklet for  
YIQ(237.6650, 7.1120, -29.7840)  
contains.

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# Color

**YIQ(237.6650, 7.1120,  
-29.7840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FFB3
RGB	226, 255, 179
RGB Percent	89%, 100%, 70%
CMY	0.1138, 0.0000, 0.2979
CMYK	0.11, 0.00, 0.30, 0.00
HSL	83°, 100%, 85%
HSV	83°, 30%, 100%
XYZ	75.2537, 90.9395, 56.2464
YIQ	237.6650, 7.1120, -29.7840

# Conversions

## Conversions Part 2

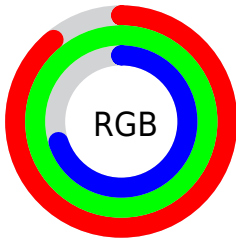
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 208
Decimal	14876595
CIELab	96.39, -21.86, 33.29
CIELCh	96, 39.828, 123.290
Yxy	90.9395, 0.3383, 0.4088
Android (android.graphics.Color)	4293066675 (0xFFE2FFB3)
YUV	237.6650, -28.9218, -10.2302
Hunter-Lab	95.3622, -26.0233, 31.7832

# Details

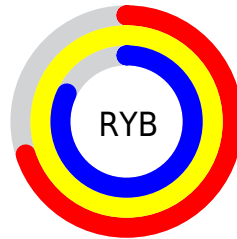
The YIQ color  $237.6650, 7.1120, -29.7840$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $196.3350, -7.1120, 29.7840$ , and the grayscale version is  $238.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $252.7200, 6.4200, -6.2200$ , and  $181.4200, 6.4240, -28.3280$  is the 20% darker color. If you saturate the color by 10%, you get  $231.8250, 9.1770, -39.6790$ , and if you desaturate by 10%, it is  $243.6190, 4.7260, -19.5780$ .

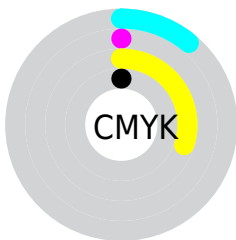
# Distribution



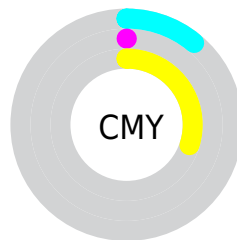
- Red (89%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (82%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 237.6650, 7.1120, -29.7840 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 237.6650, 7.1120, -29.7840 by changing the saturation by 10% instead.



 237.6650, 7.1120,  
-29.7840

 237.6650, 7.1120,  
-29.7840


255.0000, -0.0000,  
-0.0000

 209.1920, 7.0660,  
-28.9500


 252.7200, 6.4200,  
-6.2200

 181.4200, 6.4240,  
-28.3280

 154.5340, 6.1030,  
-28.0170

 128.0610, 6.0570,  
-27.1830

 102.8760, 5.1400,  
-27.0840

 78.1040, 4.4980,  
-26.4620

 53.9900, 4.8190,

-26.7730

■ 33.5690, -1.0050,  
-20.3410

■ 16.4360, -7.7000,  
-14.6440

■ 237.6650, 7.1120,  
-29.7840

■ 237.6650, 7.1120,  
-29.7840

■ 231.8250, 9.1770,  
-39.6790

■ 243.6190, 4.7260,  
-19.5780

■ 225.8710, 11.5630,  
-49.8850

■ 249.1600, 2.0650,  
-9.8950

■ 220.3300, 14.2240,  
-59.5680

255.0000, -0.0000,  
-0.0000

■ 214.3760, 16.6100,  
-69.7740

■ 208.5360, 18.6750,  
-79.6690

■ 202.8810, 21.6570,  
-89.6630

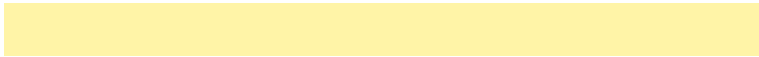
■ 197.0410, 23.7220,  
-99.5580

■ 196.9270, 24.0430,  
-99.8690

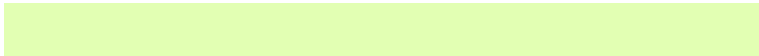
# Harmonies

## Analogous

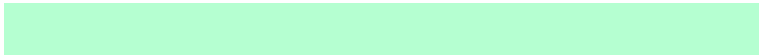
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



238.5110, 31.2730, -21.6150



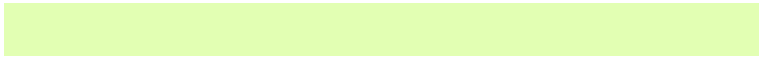
237.6650, 7.1120, -29.7840



227.6300, -29.3380, -29.9940

# Triad

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



237.6650, 7.1120, -29.7840



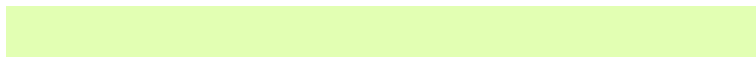
222.1100, -65.5600, -23.3200



230.6250, 14.8980, 16.3540

# Complementary

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



237.6650, 7.1120, -29.7840



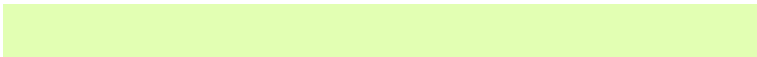
196.3350, -7.1120, 29.7840

# Split Complementary

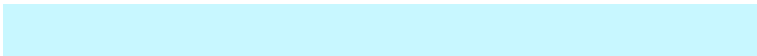
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235.0420, 9.3500, 17.7820



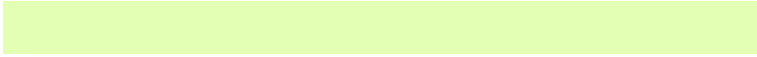
237.6650, 7.1120, -29.7840



233.8590, -30.5800, -7.4760

# Square

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



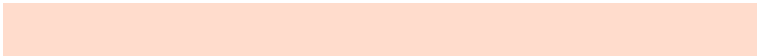
237.6650, 7.1120, -29.7840



214.3360, -81.0560, -28.8320



242.0860, 6.0500, 11.5060

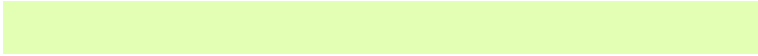


228.6410, 25.9960, 2.4440



# Rectangle

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



237.6650, 7.1120, -29.7840



221.8090, -54.6470, -28.3670



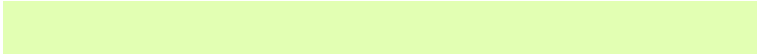
242.0860, 6.0500, 11.5060



232.1070, 10.7250, 20.3970

# Sweetspot

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



237.6650, 7.1120, -29.7840



249.6870, 2.0190, -9.0610



218.1600, 37.5960, 1.4680



124.4960, 1.2390, -5.9370



0.0000, 0.0000, 0.0000

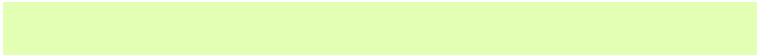


128.0000, -0.0000, -0.0000

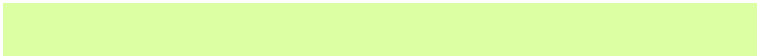


# Same Dimension

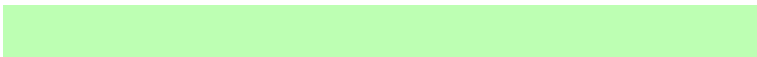
The Same Dimension uses a secret algorithm to generate beautiful new colors.



237.6650, 7.1120, -29.7840



234.0470, 8.6720, -36.0320



226.6020, -14.9400, -37.6280



125.0230, 1.1930, -5.1030



147.3990, 17.8030, -74.8770



49.2290, 5.6440, -25.2040



# Inverse Universe

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



196.3350, -7.1120, 29.7840



183.9530, -8.6720, 36.0320



207.3980, 14.9400, 37.6280



117.9770, -1.1930, 5.1030



43.6010, -17.8030, 74.8770

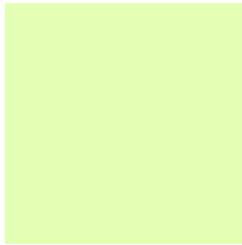


14.4720, -6.2400, 24.9920



# Previews

## White Background



This preview shows how the YIQ color 237.6650, 7.1120, -29.7840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

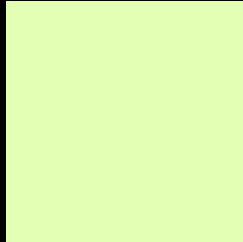
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 237.6650, 7.1120, -29.7840 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

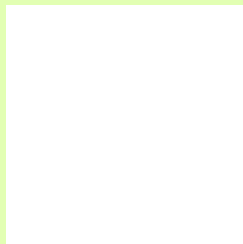
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 237.6650, 7.1120, -29.7840

## Background



This preview shows how black text looks on a background with the YIQ color 237.6650, 7.1120, -29.7840.



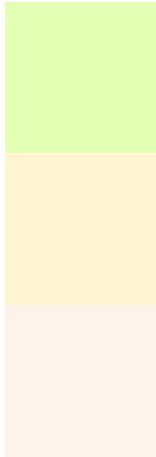
This preview shows how white text looks on a background with the YIQ color 237.6650, 7.1120, -29.7840.

-29.7840.

# 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

237.6650, 7.1120, -29.7840

### Protanopia

243.1850, 18.1120, -8.8640

### Deuteranopia

244.7470, 10.9580, -0.3540

## **Tritanopia**

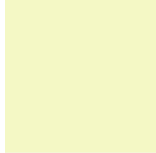
244.3570, -5.3190, 2.7850

# Trichromacy



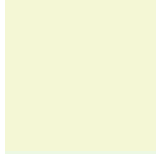
## Original Color

237.6650, 7.1120, -29.7840



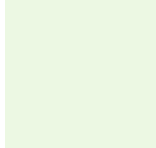
## Protanomaly

240.9900, 13.9870, -16.7090



## Deuteranomaly

242.2270, 9.1260, -11.2100



## Tritanomaly

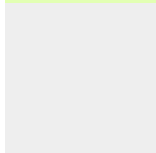
242.0180, -0.4110, -9.0750

# Monochromacy



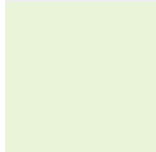
## Original Color

237.6650, 7.1120, -29.7840



## Achromatopsia

238.0000, -0.0000, 0.0000



## Achromatomaly

237.9320, 2.7070, -10.5170

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 237.6650, 7.1120, -29.7840 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(226, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 179)  
}
```

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(226, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 179) }
```

## Border

The CSS property to change the border of an element to YIQ 237.6650, 7.1120, -29.7840 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(226, 255, 179) }
```



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

```
.border{ border-color:rgb(226, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to YIQ 237.6650, 7.1120, -29.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 179) }
```

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

```
.background{ background-color: rgb(226,  
255, 179) }
```

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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