

# Converting Colors

YIQ(236.5420, -13.5700,  
-7.3780)

Have a look what the booklet for  
YIQ(236.5420, -13.5700, -7.3780)  
contains.

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# Color

**YIQ(236.5420, -13.5700,  
-7.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF5EF
RGB	219, 245, 239
RGB Percent	86%, 96%, 94%
CMY	0.1412, 0.0392, 0.0628
CMYK	0.11, 0.00, 0.02, 0.04
HSL	166°, 57%, 91%
HSV	166°, 11%, 96%
XYZ	77.4422, 86.6001, 94.2855
YIQ	236.5420, -13.5700, -7.3780

# Conversions

## Conversions Part 2

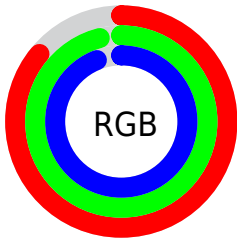
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 234, 245
Decimal	14415343
CIE Lab	94.57, -9.59, 0.00
CIE LCh	95, 9.588, 179.970
Yxy	86.6001, 0.2998, 0.3352
Android (android.graphics.Color)	4292605423 (0xFFDBF5EF)
YUV	236.5420, 1.2118, -15.3843
Hunter-Lab	93.0592, -14.3090, 5.0701

# Details

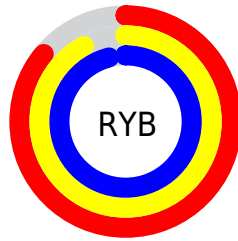
The YIQ color  $236.5420, -13.5700, -7.3780$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $227.4580, 13.5700, 7.3780$ , and the grayscale version is  $237.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.8410, -12.9740, -7.1660$  is the 20% darker color. If you saturate the color by 10%, you get  $228.3830, -26.5440, -14.5440$ , and if you desaturate by 10%, it is  $244.4020, -1.1920, -0.4240$ .

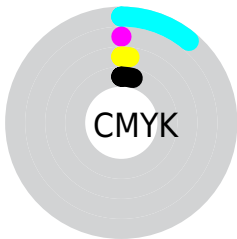
# Distribution



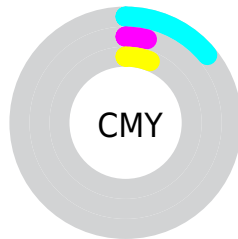
- Red (86%)
- Green (96%)
- Blue (94%)



- Red (86%)
- Yellow (92%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (14%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 236.5420, -13.5700, -7.3780 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 236.5420, -13.5700, -7.3780 by changing the saturation by 10% instead.



■ 236.5420,  
-13.5700, -7.3780

■ 236.5420,  
-13.5700, -7.3780

255.0000, -0.0000,  
-0.0000

■ 208.5420,  
-13.5700, -7.3780

■ 180.8410,  
-12.9740, -7.1660

■ 153.8410,  
-12.9740, -7.1660

■ 127.5530,  
-12.1030, -6.4310

■ 102.5530,  
-12.1030, -6.4310

■ 78.8520, -11.5070,  
-6.2190

■ 55.2650, -11.2320,

-5.6960

■ 34.2650, -11.2320,  
-5.6960

■ 14.0370, -10.5900,  
-6.3180

■ 236.5420,  
-13.5700, -7.3780

■ 236.5420,  
-13.5700, -7.3780

■ 228.3830,  
-26.5440, -14.5440

■ 244.4020, -1.1920,  
-0.4240

■ 220.6370,  
-39.2430, -21.1870

■ 248.5600, 4.3550,  
3.6750

■ 212.4780,  
-52.2170, -28.3530

■ 249.1300, 2.7500,  
5.2300

■ 204.6180,  
-64.5950, -35.3070

■ 196.5730,  
-77.8900, -42.1620

■ 188.7130,  
-90.2680, -49.1160

■ 180.5540,  
-103.2420, -56.2820

■ 172.8080,  
-115.9410, -62.9250

■ 165.2470,  
-127.7230, -69.6670

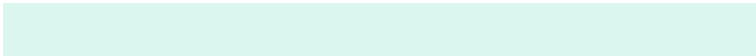
# Harmonies

## Analogous

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



237.0220, -6.2340, -8.1700



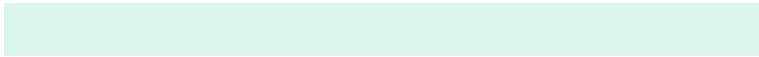
236.5420, -13.5700, -7.3780



236.9700, -17.6510, -5.0030

# Triad

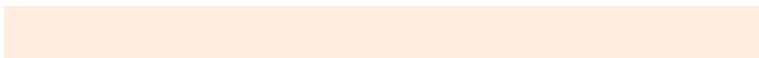
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.5420, -13.5700, -7.3780



240.2480, -3.3940, 6.4460



240.3130, 15.1760, 0.2960

# Complementary

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



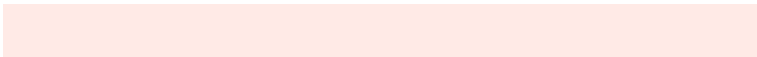
236.5420, -13.5700, -7.3780



227.4580, 13.5700, 7.3780

# 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.



239.8230, 13.8000, 3.2080



236.5420, -13.5700, -7.3780



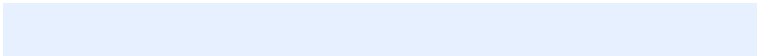
241.0920, 5.9130, 8.4810

# Square

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



236.5420, -13.5700, -7.3780



238.7200, -10.7750, 2.5450



240.3760, 10.8650, 6.8410



239.3400, 10.5460, -3.9020

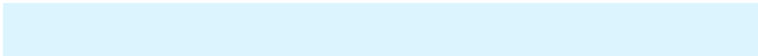


# Rectangle

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



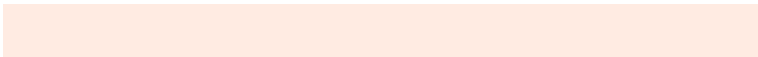
236.5420, -13.5700, -7.3780



237.5510, -17.7890, -2.5010



240.3760, 10.8650, 6.8410



239.9540, 14.8090, 1.4410

# Sweetspot

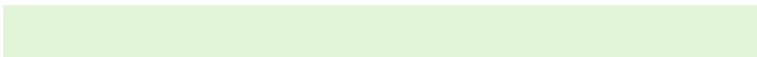
The Sweet Spot groups the original color and five complimentary colors.



236.5420, -13.5700, -7.3780



252.3800, -4.1260, -2.3180



236.0560, -3.5740, -12.3260



125.9780, -2.9340, -1.8940



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

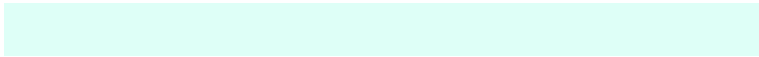


# Same Dimension

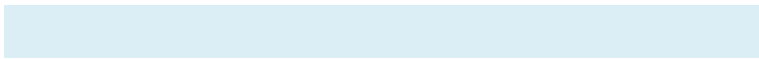
The Same Dimension uses a secret algorithm to generate beautiful new colors.



236.5420, -13.5700, -7.3780



244.2210, -17.1000, -9.4840



233.1170, -13.5710, -1.8510



118.1840, -6.5100, -3.1660



125.4840, -97.0530, -52.8050



39.7630, -30.6700, -16.8620



# Inverse Universe

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



227.4580, 13.5700, 7.3780



232.7790, 17.1000, 9.4840



230.8830, 13.5710, 1.8510



113.9300, 6.1890, 3.4770



60.5160, 97.0530, 52.8050

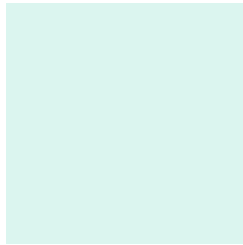


19.2370, 30.6700, 16.8620



# Previews

## White Background



This preview shows how the YIQ color 236.5420, -13.5700, -7.3780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

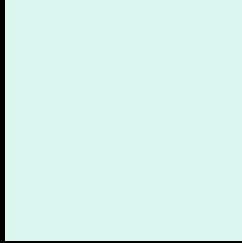
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 236.5420, -13.5700, -7.3780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

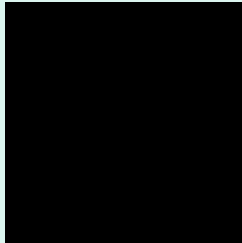
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

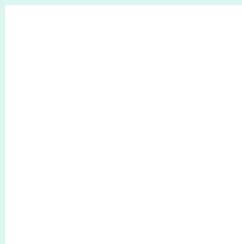
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 236.5420, -13.5700, -7.3780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 236.5420, -13.5700, -7.3780.



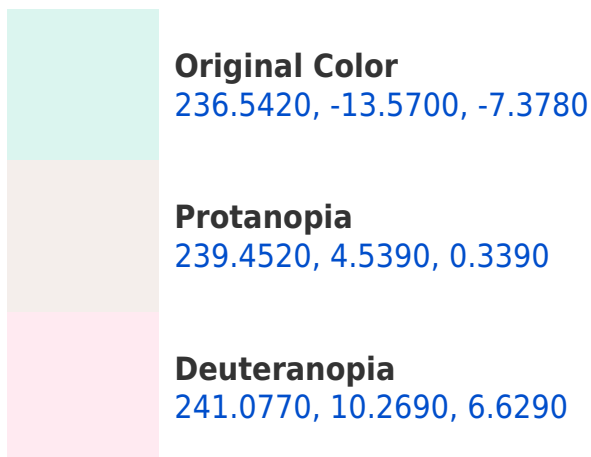
This preview shows how white text looks on a background with the YIQ color 236.5420, -13.5700, -7.3780.

-7.3780.

# 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

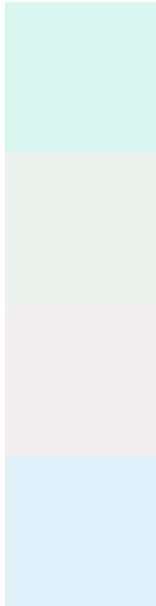




## Tritanopia

238.4100, -12.8380, 1.3860

# Trichromacy



## Original Color

236.5420, -13.5700, -7.3780

## Protanomaly

238.6360, -1.9710, -2.8270

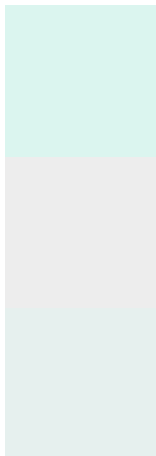
## Deuteranomaly

239.4240, 1.7420, 1.4700

## Tritanomaly

237.4160, -12.9750, -1.6390

# Monochromacy



## Original Color

236.5420, -13.5700, -7.3780

## Achromatopsia

237.0000, -0.0000, -0.0000

## Achromatomaly

236.7820, -5.3180, -2.7420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 236.5420, -13.5700, -7.3780 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(219, 245, 239)` looks like.

```
.text, #text, p{  
    color:rgb(219, 245, 239)  
}
```

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(219, 245, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 245, 239) }
```

## Border

The CSS property to change the border of an element to YIQ 236.5420, -13.5700, -7.3780 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(219, 245, 239) }
```



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

```
.border{ border-color:rgb(219, 245, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 245, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 245, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 245, 239); box-shadow:4px 4px 4px 4px rgb(219, 245, 239) }
```

# Background

The CSS property to change the background color of an element to YIQ 236.5420, -13.5700, -7.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 245, 239) }
```

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

```
.background{ background-color: rgb(219,  
245, 239) }
```

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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