

# Converting Colors

YIQ(249.9300, -2.9790, -6.5870)

Have a look what the booklet for  
YIQ(249.9300, -2.9790, -6.5870)  
contains.

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# Color

**YIQ(249.9300, -2.9790,  
-6.5870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFF2
RGB	243, 255, 242
RGB Percent	95%, 100%, 95%
CMY	0.0471, 0.0000, 0.0510
CMYK	0.05, 0.00, 0.05, 0.00
HSL	115°, 100%, 97%
HSV	115°, 5%, 100%
XYZ	88.7459, 96.9838, 98.0464
YIQ	249.9300, -2.9790, -6.5870

# Conversions

## Conversions Part 2

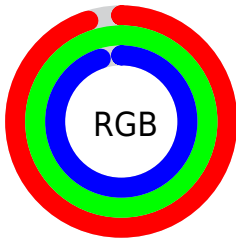
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 254
Decimal	15990770
CIE Lab	98.82, -6.22, 4.84
CIE LCh	99, 7.883, 142.150
Yxy	96.9838, 0.3127, 0.3418
Android (android.graphics.Color)	4294180850 (0xFFFF3FFF2)
YUV	249.9300, -3.9095, -6.0776
Hunter-Lab	98.4804, -11.4848, 9.9075

# Details

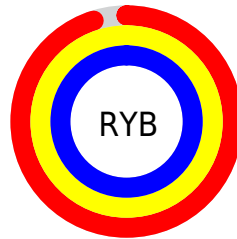
The YIQ color 249.9300, -2.9790, -6.5870 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 247.0700, 2.9790, 6.5870, and the grayscale version is 250.0000, 0.0000, 0.0000.

A 20% lighter version of the original color is 255.0000, -0.0000, -0.0000, and 193.3430, -2.7040, -6.0640 is the 20% darker color. If you saturate the color by 10%, you get 239.9040, -9.2580, -19.4500, and if you desaturate by 10%, it is 255.0000, -0.0000, -0.0000.

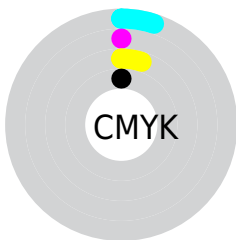
# Distribution



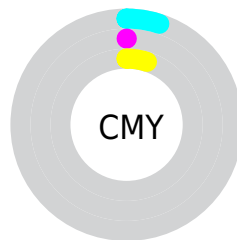
- Red (95%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 249.9300, -2.9790, -6.5870 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 249.9300, -2.9790, -6.5870 by changing the saturation by 10% instead.



 249.9300, -2.9790,  
-6.5870

 249.9300, -2.9790,  
-6.5870

255.0000, -0.0000,  
-0.0000


 221.3430, -2.7040,  
-6.0640

 193.3430, -2.7040,  
-6.0640

 166.3430, -2.7040,  
-6.0640

 140.3430, -2.7040,  
-6.0640

 114.4570, -3.0250,  
-5.7530

 89.7560, -2.4290,  
-5.5410

 66.7560, -2.4290,

-5.5410

■ 44.2830, -2.4750,  
-4.7070

■ 23.5820, -1.8790,  
-4.4950

■ 249.9300, -2.9790,  
-6.5870

■ 249.9300, -2.9790,  
-6.5870

■ 239.9040, -9.2580,  
-19.4500

255.0000, -0.0000,  
-0.0000

■ 230.0630,  
-14.6200, -32.4120

■ 220.0370,  
-20.8990, -45.2750

■ 210.1960,  
-26.2610, -58.2370

■ 200.1700,  
-32.5400, -71.1000

■ 190.3290,  
-37.9020, -84.0620

■ 180.3030,  
-44.1810, -96.9250

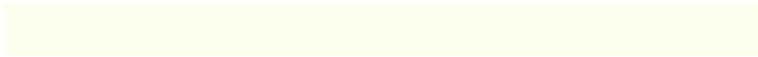
■ 170.4620,  
-49.5430, -109.8870

■ 160.4360,  
-55.8220, -122.7500

# Harmonies

## Analogous

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



250.8770, 4.5400, -5.1880



249.9300, -2.9790, -6.5870



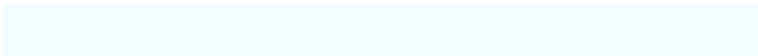
248.6350, -9.3980, -5.8940

# Triad

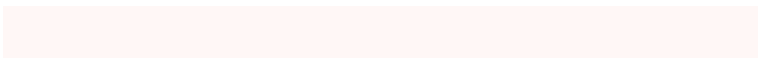
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



249.9300, -2.9790, -6.5870



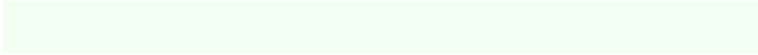
249.9390, -7.1980, -1.7100



249.2780, 5.0890, 1.3850

# Complementary

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



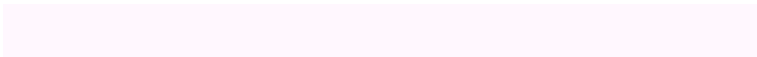
249.9300, -2.9790, -6.5870



247.0700, 2.9790, 6.5870

# Split Complementary

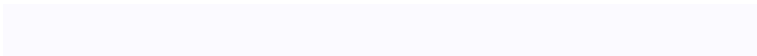
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



250.1900, 2.5210, 3.8730



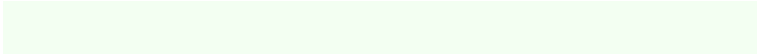
249.9300, -2.9790, -6.5870



250.8690, -1.0090, 1.7670

# Square

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



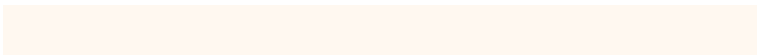
249.9300, -2.9790, -6.5870



249.0200, -11.9200, -4.2400



250.8910, 1.9250, 3.6610

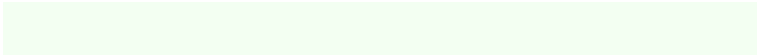


249.1810, 6.7400, -1.0040

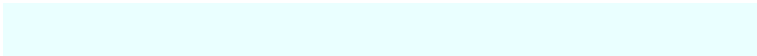


# Rectangle

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



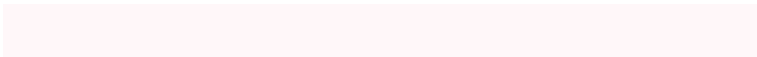
249.9300, -2.9790, -6.5870



248.7210, -12.5160, -4.4520



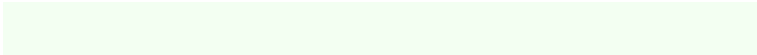
250.8910, 1.9250, 3.6610



249.6200, 4.1260, 2.3180

# Sweetspot

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



249.9300, -2.9790, -6.5870



252.9350, -1.3750, -2.6150



252.9310, 4.4480, -3.5200



126.7610, -0.8250, -1.5690



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

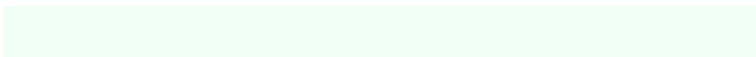
The Same Dimension uses a secret algorithm to generate beautiful new colors.



249.9300, -2.9790, -6.5870



249.1040, -3.5290, -7.6330



250.2010, -5.1800, -5.2440



124.2830, -2.4750, -4.7070



116.6020, -43.5850, -96.7130



39.0630, -14.6200, -32.4120



# Inverse Universe

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



247.0700, 2.9790, 6.5870



245.8960, 3.5290, 7.6330



246.7990, 5.1800, 5.2440



122.4180, 1.8790, 4.4950



74.6970, 44.1810, 96.9250

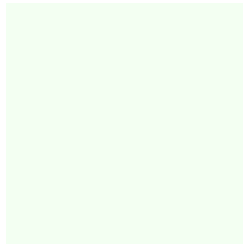


24.9370, 14.6200, 32.4120



# Previews

## White Background



This preview shows how the YIQ color 249.9300, -2.9790, -6.5870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

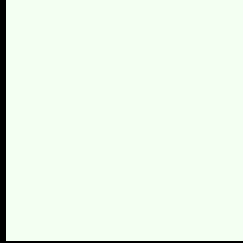
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 249.9300, -2.9790, -6.5870 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

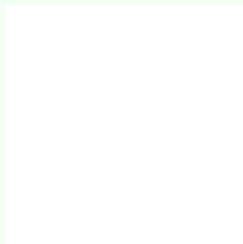
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 249.9300, -2.9790, -6.5870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 249.9300, -2.9790, -6.5870.



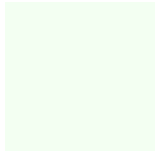
This preview shows how white text looks on a background with the YIQ color 249.9300, -2.9790,

-6.570.

# 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

249.9300, -2.9790, -6.5870



### Protanopia

251.6260, 3.9890, -0.7070

### Deuteranopia

251.6090, 2.6590, 1.3710

## **Tritanopia**

251.4560, -1.2840, 1.2440

# Trichromacy



**Original Color**

249.9300, -2.9790, -6.5870

**Protanomaly**

250.9030, 1.6510, -2.3890

**Deuteranomaly**

251.2450, 0.6880, -1.4560

**Tritanomaly**

250.5760, -1.7420, -1.4700

# Monochromacy



**Original Color**

249.9300, -2.9790, -6.5870

**Achromatopsia**

250.0000, 0.0000, 0.0000

**Achromatomaly**

249.9350, -1.3750, -2.6150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 249.9300, -2.9790, -6.5870 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(243, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 242)  
}
```

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(243, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 242) }
```

## Border

The CSS property to change the border of an element to YIQ 249.9300, -2.9790, -6.5870 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(243, 255, 242) }
```



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

```
.border{ border-color:rgb(243, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
242) }
```

# Background

The CSS property to change the background color of an element to YIQ 249.9300, -2.9790, -6.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 242) }
```

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

```
.background{ background-color: rgb(243,  
255, 242) }
```

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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