

# Converting Colors

YIQ(235.9210, 1.2400, -11.4640)

Have a look what the booklet for  
YIQ(235.9210, 1.2400, -11.4640)  
contains.

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# Color

**YIQ(235.9210, 1.2400,  
-11.4640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F3D7
RGB	230, 243, 215
RGB Percent	90%, 95%, 84%
CMY	0.0981, 0.0470, 0.1568
CMYK	0.05, 0.00, 0.12, 0.05
HSL	88°, 54%, 90%
HSV	88°, 12%, 95%
XYZ	76.9480, 85.8320, 76.8062
YIQ	235.9210, 1.2400, -11.4640

# Conversions

## Conversions Part 2

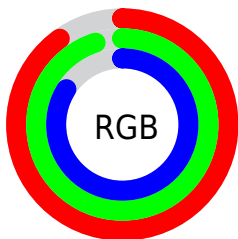
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 243, 228
Decimal	15135703
CIE Lab	94.24, -9.17, 12.03
CIE LCh	94, 15.129, 127.310
Yxy	85.8320, 0.3212, 0.3583
Android (android.graphics.Color)	4293325783 (0xFFE6F3D7)
YUV	235.9210, -10.3141, -5.1927
Hunter-Lab	92.6456, -13.8742, 15.6986

# Details

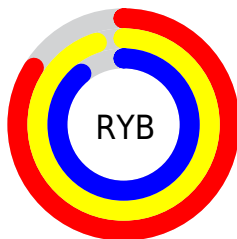
The YIQ color  $235.9210, 1.2400, -11.4640$  is a light color, and the websafe version is hex  $FFFCC$ . A complement of this color would be  $222.0790, -1.2400, 11.4640$ , and the grayscale version is  $236.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.0350, 0.9190, -11.1530$  is the 20% darker color. If you saturate the color by 10%, you get  $229.8960, 2.3880, -21.2600$ , and if you desaturate by 10%, it is  $241.9460, 0.0920, -1.6680$ .

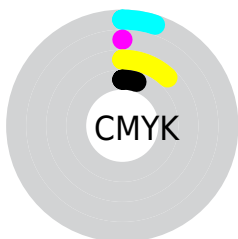
# Distribution



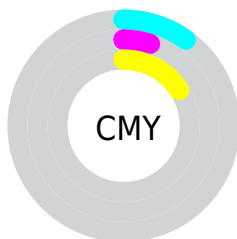
- Red (90%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (10%)
- Magenta (5%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 235.9210, 1.2400, -11.4640 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 235.9210, 1.2400, -11.4640 by changing the saturation by 10% instead.



■ 235.9210, 1.2400,  
-11.4640

■ 235.9210, 1.2400,  
-11.4640

255.0000, -0.0000,  
-0.0000

■ 207.9210, 1.2400,  
-11.4640

■ 180.0350, 0.9190,  
-11.1530

■ 153.4480, 1.1940,  
-10.6300

■ 127.5620, 0.8730,  
-10.3190

■ 101.9750, 1.1480,  
-9.7960

■ 78.0890, 0.8270,  
-9.4850

■ 55.2030, 0.5060,

-9.1740

■ 33.7300, 0.4600,  
-8.3400

■ 11.1530, -5.2250,  
-9.9370

■ 235.9210, 1.2400,  
-11.4640

■ 235.9210, 1.2400,  
-11.4640

■ 229.8960, 2.3880,  
-21.2600

■ 241.9460, 0.0920,  
-1.6680

■ 223.4580, 3.2610,  
-31.5790

■ 247.3580, 2.1080,  
5.8520

■ 217.4330, 4.4090,  
-41.3750

■ 247.9560, 3.3000,  
6.2760

■ 211.4080, 5.5570,  
-51.1710

■ 205.0840, 6.1090,  
-61.1790

■ 198.9450, 7.5780,  
-71.2860

■ 192.9200, 8.7260,  
-81.0820

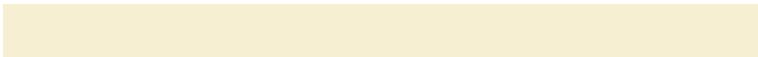
■ 186.8950, 9.8740,  
-90.8780

■ 181.5110, 10.6550,  
-99.5290

# Harmonies

## Analogous

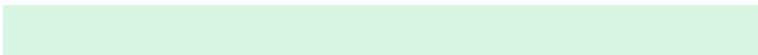
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



238.0860, 14.0770, -7.3230



235.9210, 1.2400, -11.4640



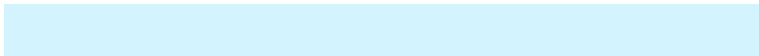
234.2660, -12.9730, -12.6930

# Triad

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



235.9210, 1.2400, -11.4640



234.8000, -22.9240, -3.0520



237.4580, 13.5700, 7.3780

# Complementary

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



235.9210, 1.2400, -11.4640



222.0790, -1.2400, 11.4640

# Split Complementary

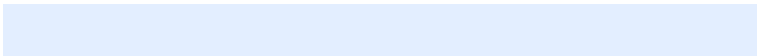
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



239.7550, 8.4800, 11.5200



235.9210, 1.2400, -11.4640



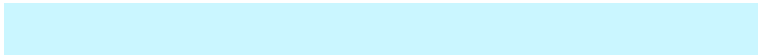
236.6490, -12.0130, 2.9550

# Square

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



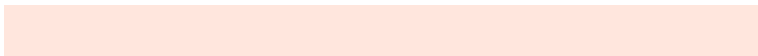
235.9210, 1.2400, -11.4640



233.8700, -29.1130, -6.5290



239.9820, 0.4110, 9.0750



236.4490, 17.7890, 2.5010

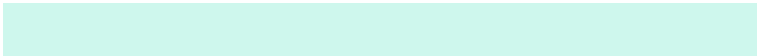


# Rectangle

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



235.9210, 1.2400, -11.4640



233.6010, -21.2260, -11.8020



239.9820, 0.4110, 9.0750



238.0280, 11.9650, 8.9330

# Sweetspot

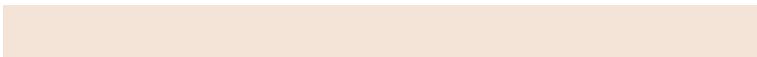
The Sweet Spot groups the original color and five complimentary colors.



235.9210, 1.2400, -11.4640



252.8920, 0.1840, -3.3360



231.0030, 13.1130, -0.8630



126.4190, 0.1380, -2.5020



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

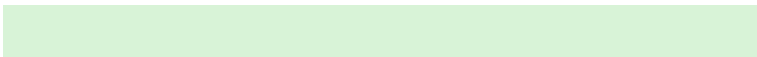
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235.9210, 1.2400, -11.4640



245.8130, 1.4240, -14.8000



231.7350, -7.1040, -14.4320



119.1370, 0.8720, -4.7920



139.0820, 8.4500, -76.0780



43.9020, 2.2510, -24.2850



# Inverse Universe

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



222.0790, -1.2400, 11.4640



228.1870, -1.4240, 14.8000



226.2650, 7.1040, 14.4320



113.1620, -0.2760, 5.0040



47.2170, -7.8540, 76.2900

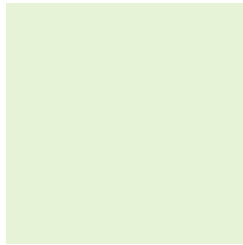


14.7990, -2.8470, 24.0730



# Previews

## White Background



This preview shows how the YIQ color 235.9210, 1.2400, -11.4640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

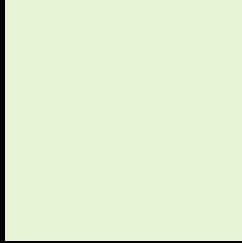
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 235.9210, 1.2400, -11.4640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

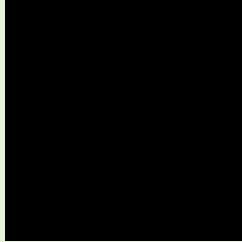
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

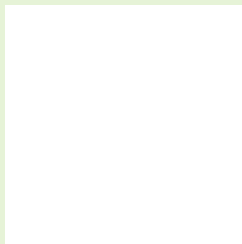
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 235.9210, 1.2400, -11.4640

## Background



This preview shows how black text looks on a background with the YIQ color 235.9210, 1.2400, -11.4640.



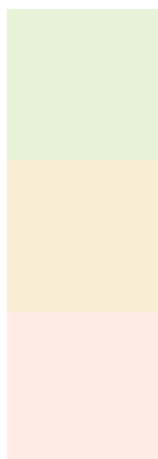
This preview shows how white text looks on a background with the YIQ color 235.9210, 1.2400,

-11.4640.

# 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

235.9210, 1.2400, -11.4640

### Protanopia

237.7380, 15.1770, -5.2310

### Deuteranopia

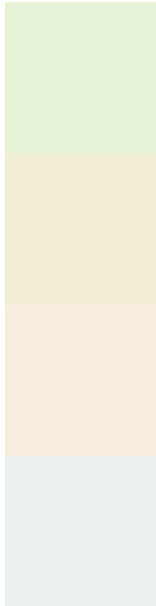
239.5950, 14.4420, 2.5860



## **Tritanopia**

238.7530, -6.3740, 5.3860

# Trichromacy



## Original Color

235.9210, 1.2400, -11.4640

## Protanomaly

236.9330, 10.1340, -7.4500

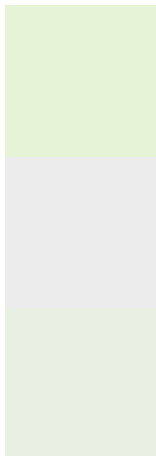
## Deuteranomaly

238.0950, 9.8580, -2.4460

## Tritanomaly

237.6190, -3.3010, -0.7490

# Monochromacy



## Original Color

235.9210, 1.2400, -11.4640

## Achromatopsia

236.0000, 0.0000, -0.0000

## Achromatomaly

236.2510, 0.5510, -4.4810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 235.9210, 1.2400, -11.4640 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(230, 243, 215)` looks like.

```
.text, #text, p{  
    color:rgb(230, 243, 215)  
}
```

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(230, 243, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 243, 215) }
```

## Border

The CSS property to change the border of an element to YIQ 235.9210, 1.2400, -11.4640 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(230, 243, 215) }
```



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

```
.border{ border-color:rgb(230, 243, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 243, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 243, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 243, 215);  
box-shadow:4px 4px 4px 4px rgb(230, 243,  
215) }
```

# Background

The CSS property to change the background color of an element to YIQ 235.9210, 1.2400, -11.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 243, 215) }
```

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

```
.background{ background-color: rgb(230,  
243, 215) }
```

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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