

# Converting Colors

YIQ(244.5890, -3.7570,  
-14.5170)

Have a look what the booklet for  
YIQ(244.5890, -3.7570, -14.5170)  
contains.

- YIQ(244.5890, -3.7570, -14.5170) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**YIQ(244.5890, -3.7570,  
-14.5170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFE0
RGB	232, 255, 224
RGB Percent	91%, 100%, 88%
CMY	0.0903, 0.0000, 0.1216
CMYK	0.09, 0.00, 0.12, 0.00
HSL	105°, 100%, 94%
HSV	105°, 12%, 100%
XYZ	82.4874, 94.0546, 84.3295
YIQ	244.5890, -3.7570, -14.5170

# Conversions

## Conversions Part 2

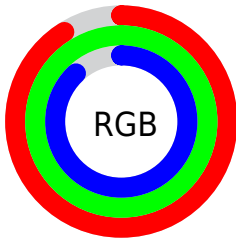
Format	Color
<a href="#">RYB</a>	<a href="#">224, 255, 247</a>
Decimal	<a href="#">15269856</a>
CIELab	<a href="#">97.65, -12.96, 12.29</a>
CIELCh	<a href="#">98, 17.858, 136.528</a>
Yxy	<a href="#">94.0546, 0.3162, 0.3605</a>
Android (android.graphics.Color)	<a href="#">4293459936 (0xFFE8FFE0)</a>
YUV	<a href="#">244.5890, -10.1504, -11.0406</a>
Hunter-Lab	<a href="#">96.9817, -17.8956, 16.3322</a>

# Details

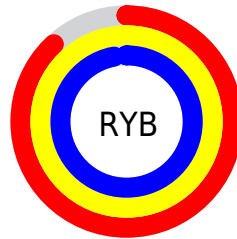
The YIQ color  $244.5890, -3.7570, -14.5170$  is a light color, and the websafe version is hex  $FFFFCC$ . A complement of this color would be  $234.4110, 3.7570, 14.5170$ , and the grayscale version is  $245.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $188.1160, -3.8030, -13.6830$  is the 20% darker color. If you saturate the color by 10%, you get  $236.0580, -7.0560, -26.3200$ , and if you desaturate by 10%, it is  $253.2340, -0.7790, -2.4030$ .

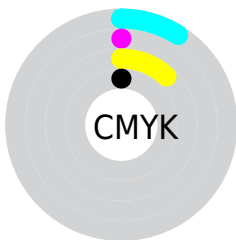
# Distribution



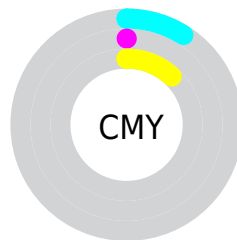
- Red (91%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 244.5890, -3.7570, -14.5170 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 244.5890, -3.7570, -14.5170 by changing the saturation by 10% instead.





 244.5890, -3.7570,  
-14.5170

 244.5890, -3.7570,  
-14.5170

255.0000, -0.0000,  
-0.0000


 216.0020, -3.4820,  
-13.9940

 188.1160, -3.8030,  
-13.6830

 161.1160, -3.8030,  
-13.6830

 134.9420, -3.2530,  
-12.6370

 109.6430, -3.8490,  
-12.8490

 85.0560, -3.5740,  
-12.3260

 61.5830, -3.6200,

-11.4920

■ 39.9960, -3.3450,  
-10.9690

■ 18.2410, -2.6570,  
-12.4250

■ 244.5890, -3.7570,  
-14.5170

■ 244.5890, -3.7570,  
-14.5170

■ 236.0580, -7.0560,  
-26.3200

■ 253.2340, -0.7790,  
-2.4030

■ 227.4130,  
-10.0340, -38.4340

255.0000, -0.0000,  
-0.0000

■ 218.8820,  
-13.3330, -50.2370

■ 210.2370,  
-16.3110, -62.3510

■ 201.7060,  
-19.6100, -74.1540

■ 193.0610,  
-22.5880, -86.2680

■ 184.5300,  
-25.8870, -98.0710

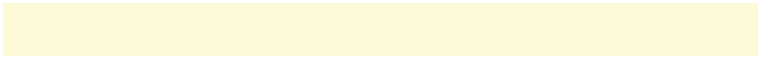
■ 175.8850,  
-28.8650, -110.1850

■ 169.4190,  
-30.7890, -119.3730

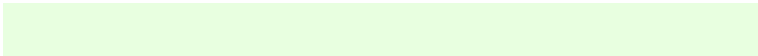
# Harmonies

## Analogous

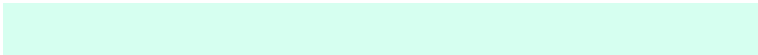
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



246.6080, 12.4270, -10.4610



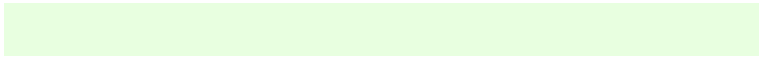
244.5890, -3.7570, -14.5170



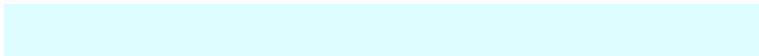
241.0310, -19.6210, -13.3570

# Triad

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



244.5890, -3.7570, -14.5170



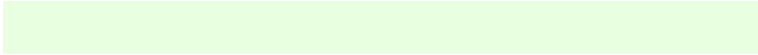
242.7740, -20.0350, -5.8510



242.6100, 10.0860, 4.4380

# Complementary

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



244.5890, -3.7570, -14.5170



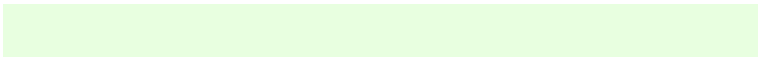
234.4110, 3.7570, 14.5170

# 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.



244.4340, 4.9500, 9.4140



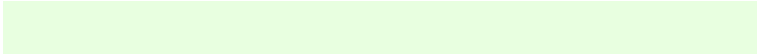
244.5890, -3.7570, -14.5170



245.8300, -5.2730, 1.9510

# Square

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



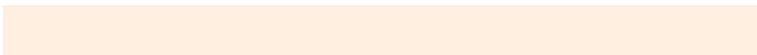
244.5890, -3.7570, -14.5170



240.3490, -29.2040, -10.3880



246.7820, 3.8500, 7.3220

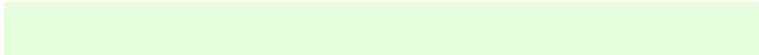


242.0740, 14.3510, -1.2730

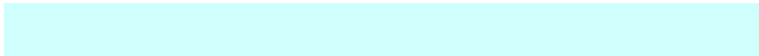


# Rectangle

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



244.5890, -3.7570, -14.5170



240.3060, -27.6450, -11.1090



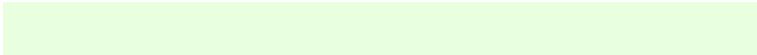
246.7820, 3.8500, 7.3220



242.7070, 8.4350, 6.8270

# Sweetspot

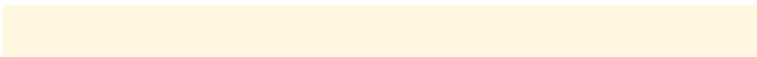
The Sweet Spot groups the original color and five complimentary colors.



244.5890, -3.7570, -14.5170



251.4680, -1.5580, -4.8060



246.7700, 12.1510, -5.4570



125.7070, -0.7330, -3.2370



0.0000, 0.0000, 0.0000

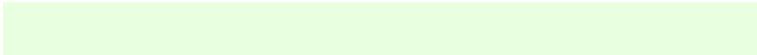


128.0000, -0.0000, -0.0000

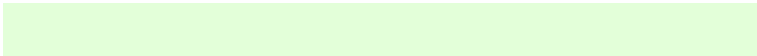


# Same Dimension

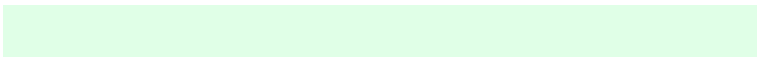
The Same Dimension uses a secret algorithm to generate beautiful new colors.



244.5890, -3.7570, -14.5170



242.2960, -4.4900, -17.7540



242.9950, -10.7720, -14.0360



123.5280, -1.7870, -6.1630



126.7680, -23.3210, -89.5050



42.3520, -8.0640, -30.0800



# Inverse Universe

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



234.4110, 3.7570, 14.5170



229.7040, 4.4900, 17.7540



236.0050, 10.7720, 14.0360



119.1730, 1.1910, 5.9510



64.2320, 23.3210, 89.5050

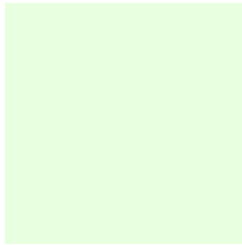


21.3490, 7.4680, 29.8680



# Previews

## White Background



This preview shows how the YIQ color 244.5890, -3.7570, -14.5170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

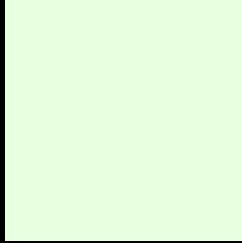
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 244.5890, -3.7570, -14.5170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

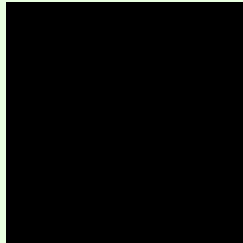
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

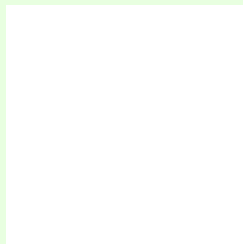
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 244.5890, -3.7570, -14.5170

## Background



This preview shows how black text looks on a background with the YIQ color 244.5890, -3.7570, -14.5170.



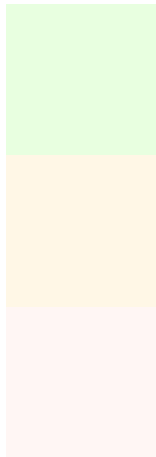
This preview shows how white text looks on a background with the YIQ color 244.5890, -3.7570,

-14.5170.

# 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

244.5890, -3.7570, -14.5170

### Protanopia

247.4540, 10.2250, -3.5910

### Deuteranopia

248.4630, 6.0060, 1.2860

## **Tritanopia**

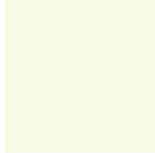
247.9010, -4.0350, 1.5410

# Trichromacy



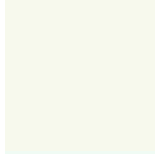
## Original Color

244.5890, -3.7570, -14.5170



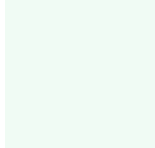
## Protanomaly

246.5950, 5.2740, -7.4780



## Deuteranomaly

247.0340, 2.6600, -4.1560



## Tritanomaly

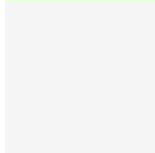
246.9130, -4.3090, -4.5090

# Monochromacy



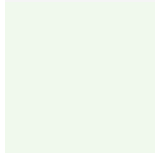
## Original Color

244.5890, -3.7570, -14.5170



## Achromatopsia

245.0000, -0.0000, 0.0000



## Achromatomaly

244.9410, -1.5120, -5.6400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 244.5890, -3.7570, -14.5170 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(232, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 224)  
}
```

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(232, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 244.5890, -3.7570, -14.5170 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(232, 255, 224) }
```



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

```
.border{ border-color:rgb(232, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 244.5890, -3.7570, -14.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 224) }
```

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

```
.background{ background-color: rgb(232,  
255, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor