

# Converting Colors

YIQ(220.4830, 2.1130, -21.7830)

Have a look what the booklet for  
YIQ(220.4830, 2.1130, -21.7830)  
contains.

<b>YIQ(220.4830, 2.1130, -21.7830)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(220.4830, 2.1130,  
-21.7830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1EAB5
RGB	209, 234, 181
RGB Percent	82%, 92%, 71%
CMY	0.1805, 0.0823, 0.2901
CMYK	0.11, 0.00, 0.23, 0.08
HSL	88°, 56%, 81%
HSV	88°, 23%, 92%
XYZ	64.0554, 75.7401, 54.9661
YIQ	220.4830, 2.1130, -21.7830

# Conversions

## Conversions Part 2

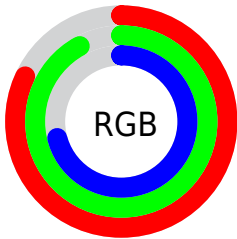
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 234, 206
Decimal	13757109
CIELab	89.74, -17.40, 23.06
CIELCh	90, 28.887, 127.034
Yxy	75.7401, 0.3289, 0.3889
Android (android.graphics.Color)	4291947189 (0xFFD1EAB5)
YUV	220.4830, -19.4651, -10.0706
Hunter-Lab	87.0288, -20.9199, 23.4735

# Details

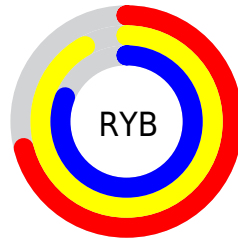
The YIQ color  $220.4830, 2.1130, -21.7830$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $194.5170, -2.1130, 21.7830$ , and the grayscale version is  $221.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $252.9480, 5.7780, -5.5980$ , and  $165.1240, 1.7460, -20.6380$  is the 20% darker color. If you saturate the color by 10%, you get  $214.5720, 2.9400, -31.2680$ , and if you desaturate by 10%, it is  $226.3940, 1.2860, -12.2980$ .

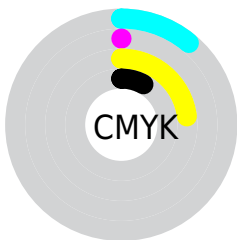
# Distribution



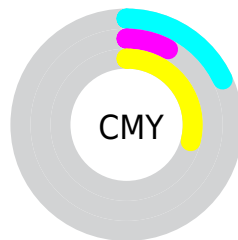
- Red (82%)
- Green (92%)
- Blue (71%)



- Red (71%)
- Yellow (92%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 220.4830, 2.1130, -21.7830 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 220.4830, 2.1130, -21.7830 by changing the saturation by 10% instead.





 220.4830, 2.1130,  
-21.7830


 220.4830, 2.1130,  
-21.7830

255.0000, -0.0000,  
-0.0000


 192.5970, 1.7920,  
-21.4720


 252.9480, 5.7780,  
-5.5980

 165.1240, 1.7460,  
-20.6380

 138.6510, 1.7000,  
-19.8040

 113.3520, 1.1040,  
-20.0160

 88.2920, 1.3330,  
-18.6590

 64.5200, 0.6910,  
-18.0370

 42.5200, 0.6910,

-18.0370

■ 21.4750, -3.4360,  
-14.8280

■ 0.0000, 0.0000,  
0.0000

■ 220.4830, 2.1130,  
-21.7830

■ 220.4830, 2.1130,  
-21.7830

■ 214.5720, 2.9400,  
-31.2680

■ 226.3940, 1.2860,  
-12.2980

■ 208.5470, 4.0880,  
-41.0640

■ 232.4190, 0.1380,  
-2.5020

■ 202.6360, 4.9150,  
-50.5490

■ 238.3300, -0.6890,  
6.9830

■ 196.6110, 6.0630,  
-60.3450

■ 242.0750, 4.5830,  
10.5590

■ 190.7000, 6.8900,  
-69.8300

■ 242.6730, 5.7750,  
10.9830

■ 184.7890, 7.7170,  
-79.3150

■ 178.7640, 8.8650,  
-89.1110

■ 174.1350, 8.9580,  
-96.3060

# Harmonies

## Analogous

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



223.9160, 25.9990, -14.1370



220.4830, 2.1130, -21.7830



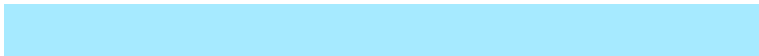
216.6570, -24.8000, -24.1280

# Triad

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



220.4830, 2.1130, -21.7830



216.0620, -47.2690, -7.8850



222.2470, 24.7100, 14.7420

# Complementary

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



220.4830, 2.1130, -21.7830



194.5170, -2.1130, 21.7830

# Split Complementary

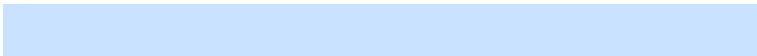
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



227.2000, 14.8970, 21.8810



220.4830, 2.1130, -21.7830



221.8310, -24.2090, 3.7190

# Square

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



220.4830, 2.1130, -21.7830



213.9030, -60.2430, -15.0510



227.0240, 0.5930, 16.7930



221.0440, 32.2310, 5.0870



# Rectangle

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



220.4830, 2.1130, -21.7830



214.6150, -42.1770, -23.0810



227.0240, 0.5930, 16.7930



223.2730, 21.8210, 17.5410

# Sweetspot

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



220.4830, 2.1130, -21.7830



250.5560, 1.0100, -7.2940



211.5220, 24.7130, -1.8390



125.2510, 0.5510, -4.4810



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

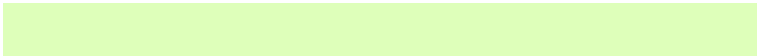


# Same Dimension

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



220.4830, 2.1130, -21.7830



237.2670, 2.4810, -28.4550



212.7090, -13.3830, -27.2950



114.2510, 0.5510, -4.4810



134.9510, 7.4410, -74.3110



40.0700, 1.8380, -22.3060



# Inverse Universe

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



194.5170, -2.1130, 21.7830



203.7330, -2.4810, 28.4550



202.2910, 13.3830, 27.2950



108.7490, -0.5510, 4.4810



46.3480, -6.8450, 74.5230

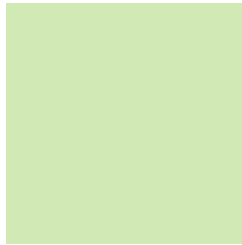


13.6310, -2.4340, 22.0940



# Previews

## White Background



This preview shows how the YIQ color 220.4830, 2.1130, -21.7830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

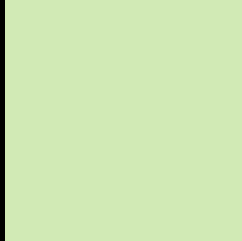
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 220.4830, 2.1130, -21.7830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

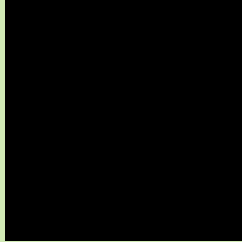
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 220.4830, 2.1130, -21.7830

## Background



This preview shows how black text looks on a background with the YIQ color 220.4830, 2.1130, -21.7830.



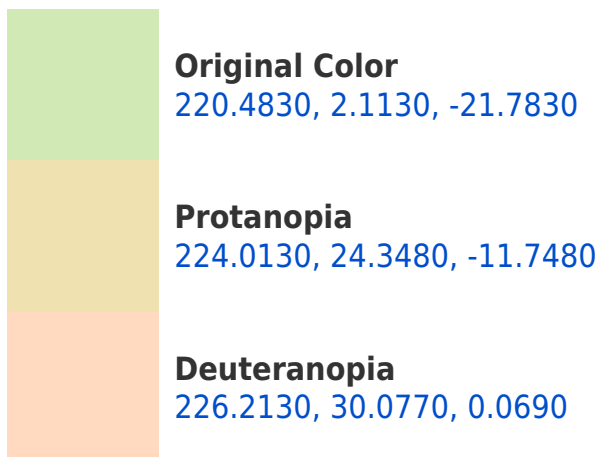
This preview shows how white text looks on a background with the YIQ color 220.4830, 2.1130, -21.7830.

-21.7830.

# 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

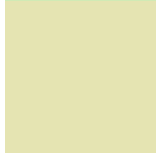
225.5460, -10.2250, 3.5910

# Trichromacy



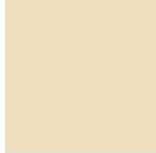
## Original Color

220.4830, 2.1130, -21.7830



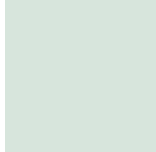
## Protanomaly

222.5990, 16.6460, -15.3380



## Deuteranomaly

224.1960, 19.5790, -7.9170



## Tritanomaly

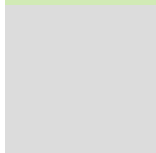
223.7880, -5.4550, -5.7670

# Monochromacy



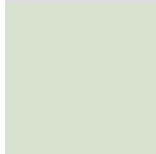
## Original Color

220.4830, 2.1130, -21.7830



## Achromatopsia

220.0000, 0.0000, 0.0000



## Achromatomaly

220.1430, 0.7350, -7.8170

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 220.4830, 2.1130, -21.7830 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(209, 234, 181)` looks like.

```
.text, #text, p{  
    color:rgb(209, 234, 181)  
}
```

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(209, 234, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 234, 181) }
```

## Border

The CSS property to change the border of an element to YIQ 220.4830, 2.1130, -21.7830 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(209, 234, 181) }
```



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

```
.border{ border-color:rgb(209, 234, 181) }
```

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

Here you see how a box with a 4 pixel rgb(209, 234, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 234, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 234, 181);  
box-shadow:4px 4px 4px 4px rgb(209, 234,  
181) }
```

# Background

The CSS property to change the background color of an element to YIQ 220.4830, 2.1130, -21.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 234, 181) }
```

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

```
.background{ background-color: rgb(209,  
234, 181) }
```

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