

# Converting Colors

YIQ(219.9830, -19.6660,  
-18.0500)

Have a look what the booklet for  
YIQ(219.9830, -19.6660, -18.0500)  
contains.

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# Color

**YIQ(219.9830, -19.6660,  
-18.0500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEEDD3
RGB	190, 237, 211
RGB Percent	75%, 93%, 83%
CMY	0.2550, 0.0705, 0.1726
CMYK	0.20, 0.00, 0.11, 0.07
HSL	147°, 57%, 84%
HSV	147°, 20%, 93%
XYZ	63.2730, 76.2251, 72.9964
YIQ	219.9830, -19.6660, -18.0500

# Conversions

## Conversions Part 2

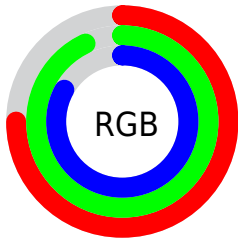
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 222, 237</a>
Decimal	<a href="#">12512723</a>
CIELab	<a href="#">89.96, -20.16, 7.65</a>
CIELCh	<a href="#">90, 21.565, 159.212</a>
Yxy	<a href="#">76.2251, 0.2978, 0.3587</a>
Android (android.graphics.Color)	<a href="#">4290702803 (0xFFBEEDD3)</a>
YUV	<a href="#">219.9830, -4.4286, -26.2951</a>
Hunter-Lab	<a href="#">87.3070, -23.4251, 11.5432</a>

# Details

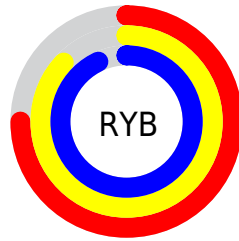
The YIQ color **219.9830, -19.6660, -18.0500** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **207.0170, 19.6660, 18.0500**, and the grayscale version is **220.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **252.6080, -4.7680, -1.6960**, and **164.6950, -18.7950, -17.3150** is the 20% darker color. If you saturate the color by 10%, you get **211.3250, -29.7970, -27.1810**, and if you desaturate by 10%, it is **228.6410, -9.5350, -8.9190**.

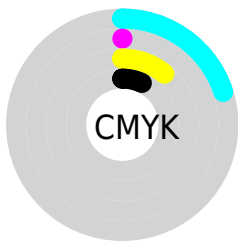
# Distribution



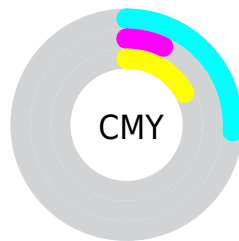
- Red (75%)
- Green (93%)
- Blue (83%)



- Red (75%)
- Yellow (87%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 219.9830, -19.6660, -18.0500 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 219.9830, -19.6660, -18.0500 by changing the saturation by 10% instead.



■ 219.9830,  
-19.6660, -18.0500

■ 219.9830,  
-19.6660, -18.0500

255.0000, -0.0000,  
-0.0000

■ 192.2820,  
-19.0700, -17.8380

■ 252.6080, -4.7680,  
-1.6960

■ 164.6950,  
-18.7950, -17.3150

■ 138.1080,  
-18.5200, -16.7920

■ 112.5210,  
-18.2450, -16.2690

■ 87.9340, -17.9700,  
-15.7460

■ 64.0480, -18.2910,  
-15.4350

■ 39.9770, -19.5290,

-15.0250

■ 21.7820, -14.4860,  
-12.8060

■ 0.0000, 0.0000,  
0.0000

■ 219.9830,  
-19.6660, -18.0500

■ 219.9830,  
-19.6660, -18.0500

■ 211.3250,  
-29.7970, -27.1810

■ 228.6410, -9.5350,  
-8.9190

■ 202.9660,  
-39.3320, -36.1000

■ 237.0000, -0.0000,  
-0.0000

■ 194.3080,  
-49.4630, -45.2310

■ 243.8640, 6.5550,  
7.8590

■ 185.6500,  
-59.5940, -54.3620

■ 244.4340, 4.9500,  
9.4140

■ 176.8780,  
-69.4040, -63.8040

■ 168.5190,  
-78.9390, -72.7230

■ 159.8610,  
-89.0700, -81.8540

■ 151.2030,  
-99.2010, -90.9850

# Harmonies

## Analogous

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



222.2750, 0.0030, -16.5810



219.9830, -19.6660, -18.0500



218.1800, -36.2180, -15.4340

# Triad

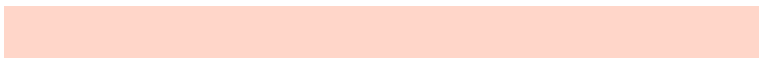
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



219.9830, -19.6660, -18.0500



224.8210, -18.2490, 5.8390



224.7770, 28.6090, 4.6490

# Complementary

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



219.9830, -19.6660, -18.0500



207.0170, 19.6660, 18.0500

# 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.



225.7690, 23.0600, 11.6040



219.9830, -19.6660, -18.0500



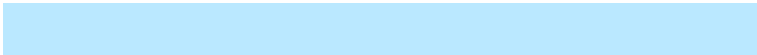
228.7850, -0.2320, 15.2240

# Square

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



219.9830, -19.6660, -18.0500



220.8680, -34.7990, -2.5990



229.3370, 15.7690, 17.0890

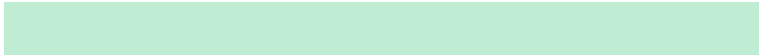


226.8170, 31.1320, -2.5320



# Rectangle

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



219.9830, -19.6660, -18.0500



218.8790, -42.5000, -11.7160



229.3370, 15.7690, 17.0890



224.8740, 26.9580, 7.0380

# Sweetspot

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



219.9830, -19.6660, -18.0500



249.6030, -6.3720, -5.6680



225.6620, 3.1670, -18.8570



124.7390, -3.7590, -3.4630



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

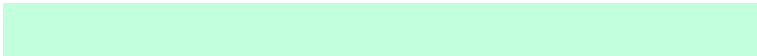


# Same Dimension

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



219.9830, -19.6660, -18.0500



232.8850, -25.4420, -23.5060



222.6050, -27.0490, -10.8970



113.0270, -4.6300, -4.1980



115.4810, -75.7760, -69.4720



34.4340, -22.5540, -20.7780



# Inverse Universe

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



207.0170, 19.6660, 18.0500



216.1150, 25.4420, 23.5060



204.3950, 27.0490, 10.8970



109.9730, 4.6300, 4.1980



65.5190, 75.7760, 69.4720

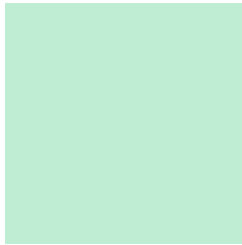


19.5660, 22.5540, 20.7780



# Previews

## White Background



This preview shows how the YIQ color 219.9830, -19.6660, -18.0500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

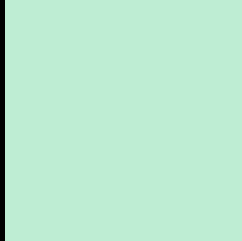
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 219.9830, -19.6660, -18.0500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

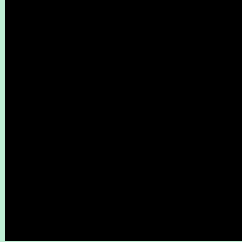
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

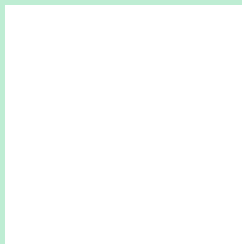
Any Text WCAG AAA ✓ Pass

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

# YIQ 219.9830, -19.6660, -18.0500 Background



This preview shows how black text looks on a background with the YIQ color 219.9830, -19.6660, -18.0500.



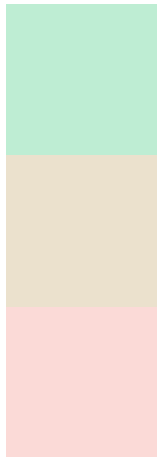
This preview shows how white text looks on a background with the YIQ color 219.9830, -19.6660, -18.0500.

-18.0500.

# 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

219.9830, -19.6660, -18.0500

### Protanopia

225.7100, 12.3800, -4.1000

### Deuteranopia

227.5250, 20.6310, 6.0630



## Tritanopia

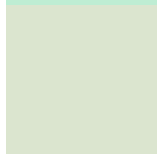
223.0000, -26.3630, -1.2990

# Trichromacy



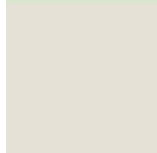
## Original Color

219.9830, -19.6660, -18.0500



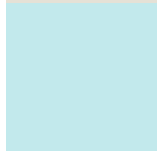
## Protanomaly

223.5020, 1.1020, -8.9620



## Deuteranomaly

224.9420, 5.9150, -2.5730



## Tritanomaly

221.6810, -24.2070, -7.3350

# Monochromacy



## Original Color

219.9830, -19.6660, -18.0500



## Achromatopsia

220.0000, 0.0000, 0.0000



## Achromatomaly

219.8910, -7.2430, -6.4030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 219.9830, -19.6660, -18.0500 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(190, 237, 211)` looks like.

```
.text, #text, p{  
    color:rgb(190, 237, 211)  
}
```

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(190, 237, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 237, 211) }
```

## Border

The CSS property to change the border of an element to YIQ 219.9830, -19.6660, -18.0500 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(190, 237, 211) }
```



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

```
.border{ border-color:rgb(190, 237, 211) }
```

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

Here you see how a box with a 4 pixel rgb(190, 237, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(190, 237,  
211) }
```

# Background

The CSS property to change the background color of an element to YIQ 219.9830, -19.6660, -18.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 237, 211) }
```

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

```
.background{ background-color: rgb(190,  
237, 211) }
```

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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