

# Converting Colors

YIQ(217.2770, -3.4790,  
-30.5750)

Have a look what the booklet for  
YIQ(217.2770, -3.4790, -30.5750)  
contains.

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# Color

**YIQ(217.2770, -3.4790,  
-30.5750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3EEA9
RGB	195, 238, 169
RGB Percent	76%, 93%, 66%
CMY	0.2354, 0.0666, 0.3372
CMYK	0.18, 0.00, 0.29, 0.07
HSL	97°, 67%, 80%
HSV	97°, 29%, 93%
XYZ	60.2382, 75.6216, 48.9626
YIQ	217.2770, -3.4790, -30.5750

# Conversions

## Conversions Part 2

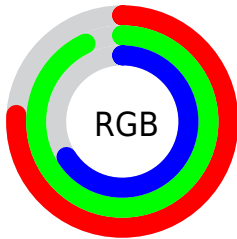
Format	Color
<a href="#">RYB</a>	<a href="#">169, 238, 212</a>
Decimal	<a href="#">12840617</a>
CIELab	<a href="#">89.68, -26.05, 28.99</a>
CIElCh	<a href="#">90, 38.970, 131.942</a>
Yxy	<a href="#">75.6216, 0.3259, 0.4092</a>
Android (android.graphics.Color)	<a href="#">4291030697</a> ( <a href="#">0xFFC3EEA9</a> )
YUV	<a href="#">217.2770, -23.8006, -19.5369</a>
Hunter-Lab	<a href="#">86.9607, -28.5331, 27.4896</a>

# Details

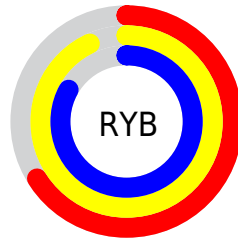
The YIQ color  $217.2770, -3.4790, -30.5750$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $189.7230, 3.4790, 30.5750$ , and the grayscale version is  $218.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $250.6830, 7.8420, -9.9660$ , and  $161.9180, -3.8460, -29.4300$  is the 20% darker color. If you saturate the color by 10%, you get  $210.0560, -4.7150, -41.2190$ , and if you desaturate by 10%, it is  $224.4980, -2.2430, -19.9310$ .

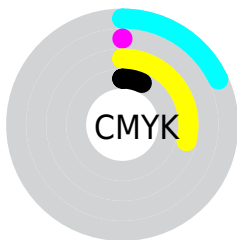
# Distribution



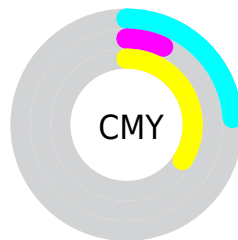
- Red (76%)
- Green (93%)
- Blue (66%)



- Red (66%)
- Yellow (93%)
- Blue (83%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (24%)
- Magenta (7%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.2770, -3.4790, -30.5750 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 217.2770, -3.4790, -30.5750 by changing the saturation by 10% instead.



 217.2770, -3.4790,  
-30.5750

 217.2770, -3.4790,  
-30.5750

255.0000, -0.0000,  
-0.0000

 189.3910, -3.8000,  
-30.2640


 250.6830, 7.8420,  
-9.9660


 161.9180, -3.8460,  
-29.4300

254.7720, 0.6420,  
-0.6220

 135.4450, -3.8920,  
-28.5960


 109.9720, -3.9380,  
-27.7620


 84.6130, -4.3050,  
-26.6170

 60.4280, -5.2220,  
-26.5180

 37.3570, -6.4600,

-26.1080

 20.5450, -9.6250,  
-18.3050

 0.0000, 0.0000,  
0.0000


 217.2770, -3.4790,  
-30.5750

 217.2770, -3.4790,  
-30.5750


 210.0560, -4.7150,  
-41.2190

 224.4980, -2.2430,  
-19.9310


 202.8350, -5.9510,  
-51.8630

 231.7190, -1.0070,  
-9.2870

 195.7280, -7.5080,  
-62.1960

 238.8260, 0.5500,  
1.0460

 188.8060, -8.1480,  
-72.6280

 244.7220, 4.0790,  
8.6790

■ 181.5850, -9.3840,  
-83.2720

■ 245.0210, 4.6750,  
8.8910

■ 174.3640,  
-10.6200, -93.9160

■ 167.1430,  
-11.8560, -104.5600

■ 166.6160,  
-11.8100, -105.3940

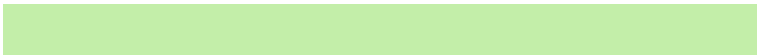
# Harmonies

## Analogous

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



221.7280, 29.1640, -21.9400



217.2770, -3.4790, -30.5750



211.2910, -41.6250, -33.0890

# Triad

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



217.2770, -3.4790, -30.5750



210.0600, -62.1230, -14.0190



216.6390, 29.4780, 16.4380

# Complementary

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



217.2770, -3.4790, -30.5750



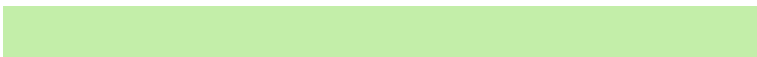
189.7230, 3.4790, 30.5750

# Split Complementary

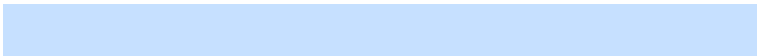
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



222.0310, 17.0510, 26.8990



217.2770, -3.4790, -30.5750



219.7600, -25.4470, 4.1290

# Square

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



217.2770, -3.4790, -30.5750



202.5080, -87.2920, -25.9480



227.3780, 8.5240, 21.7400

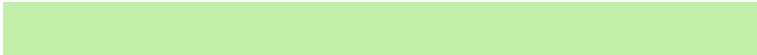


216.1710, 39.0630, 2.4150



# Rectangle

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



217.2770, -3.4790, -30.5750



207.0570, -67.2090, -31.9850



227.3780, 8.5240, 21.7400



217.4200, 25.9010, 20.6930

# Sweetspot

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



217.2770, -3.4790, -30.5750



248.1920, -0.9610, -10.1210



214.8720, 29.2990, -7.8610



123.5990, -0.5490, -6.5730



0.0000, 0.0000, 0.0000

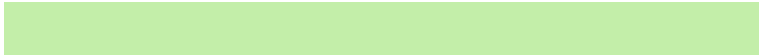


128.0000, -0.0000, -0.0000

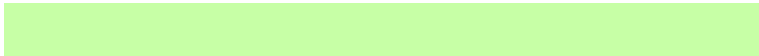


# Same Dimension

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



217.2770, -3.4790, -30.5750



228.1100, -4.8070, -39.5510



210.4150, -21.5430, -33.5990



116.2400, -0.9160, -5.4280



128.6390, -9.4760, -81.6040



39.1510, -2.8840, -24.8360



# Inverse Universe

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



189.7230, 3.4790, 30.5750



192.5910, 4.2110, 39.3390



196.5850, 21.5430, 33.5990



111.4610, 0.3200, 5.2160



55.3610, 9.4760, 81.6040

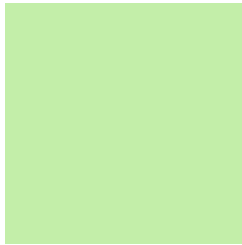


16.8490, 2.8840, 24.8360



# Previews

## White Background



This preview shows how the YIQ color 217.2770, -3.4790, -30.5750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

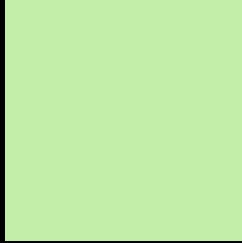
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.2770, -3.4790, -30.5750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

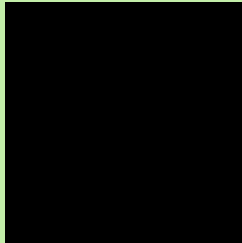
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 217.2770, -3.4790, -30.5750**

## **Background**



This preview shows how black text looks on a background with the YIQ color 217.2770, -3.4790, -30.5750.



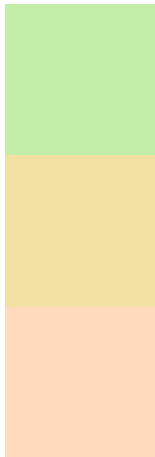
This preview shows how white text looks on a background with the YIQ color 217.2770, -3.4790,

-30.5750.

# 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

217.2770, -3.4790, -30.5750

### Protanopia

223.0150, 30.0340, -15.6780

### Deuteranopia

225.6430, 31.6820, -1.4860



## Tritanopia

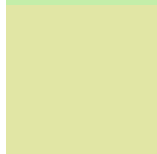
223.7730, -18.2940, 1.1460

# Trichromacy



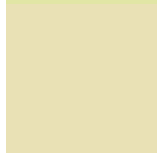
## Original Color

217.2770, -3.4790, -30.5750



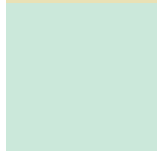
## Protanomaly

221.0950, 17.8850, -21.2750



## Deuteranomaly

222.3760, 18.8920, -11.9880



## Tritanomaly

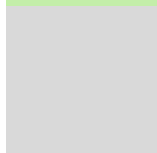
221.7330, -12.7900, -10.5020

# Monochromacy



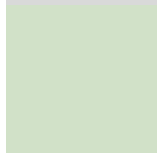
## Original Color

217.2770, -3.4790, -30.5750



## Achromatopsia

217.0000, -0.0000, 0.0000



## Achromatomaly

217.3660, -1.5110, -11.1670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.2770, -3.4790, -30.5750 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(195, 238, 169)` looks like.

```
.text, #text, p{  
    color:rgb(195, 238, 169)  
}
```

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(195, 238, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 238, 169) }
```

## Border

The CSS property to change the border of an element to YIQ 217.2770, -3.4790, -30.5750 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(195, 238, 169) }
```



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

```
.border{ border-color:rgb(195, 238, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 238, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 238, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 238, 169);  
box-shadow:4px 4px 4px 4px rgb(195, 238,  
169) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.2770, -3.4790, -30.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 238, 169) }
```

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

```
.background{ background-color: rgb(195,  
238, 169) }
```

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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