

# Converting Colors

YIQ(217.2170, -3.2500,  
-29.2180)

Have a look what the booklet for  
YIQ(217.2170, -3.2500, -29.2180)  
contains.

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# Color

**YIQ(217.2170, -3.2500,  
-29.2180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4EDAB
RGB	196, 237, 171
RGB Percent	77%, 93%, 67%
CMY	0.2315, 0.0705, 0.3294
CMYK	0.17, 0.00, 0.28, 0.07
HSL	97°, 65%, 80%
HSV	97°, 28%, 93%
XYZ	60.3965, 75.2499, 49.8744
YIQ	217.2170, -3.2500, -29.2180

# Conversions

## Conversions Part 2

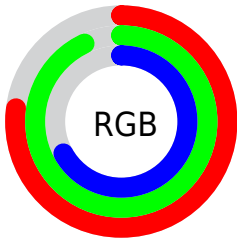
Format	Color
<a href="#">RYB</a>	<a href="#">171, 237, 212</a>
Decimal	<a href="#">12905899</a>
CIELab	<a href="#">89.51, -24.92, 27.74</a>
CIELCh	<a href="#">90, 37.294, 131.936</a>
Yxy	<a href="#">75.2499, 0.3256, 0.4056</a>
Android (android.graphics.Color)	<a href="#">4291095979 (0xFFC4EDAB)</a>
YUV	<a href="#">217.2170, -22.7850, -18.6073</a>
Hunter-Lab	<a href="#">86.7467, -27.5280, 26.6343</a>

# Details

The YIQ color  $217.2170, -3.2500, -29.2180$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $190.7830, 3.2500, 29.2180$ , and the grayscale version is  $217.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $251.2100, 7.7960, -9.1320$ , and  $161.8580, -3.6170, -28.0730$  is the 20% darker color. If you saturate the color by 10%, you get  $209.9960, -4.4860, -39.8620$ , and if you desaturate by 10%, it is  $224.4380, -2.0140, -18.5740$ .

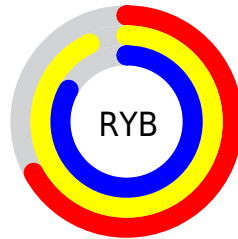
# Distribution



Red (77%)

Green (93%)

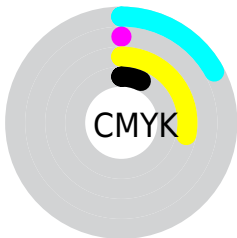
Blue (67%)



Red (67%)

Yellow (93%)

Blue (83%)

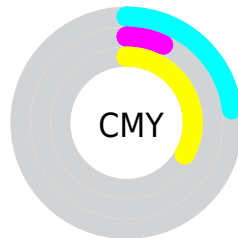


Cyan (17%)

Magenta (0%)

Yellow (28%)

Black (7%)



Cyan (23%)

Magenta (7%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.2170, -3.2500, -29.2180 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 217.2170, -3.2500, -29.2180 by changing the saturation by 10% instead.




 217.2170, -3.2500,  
-29.2180

 217.2170, -3.2500,  
-29.2180


255.0000, -0.0000,  
-0.0000


 189.3310, -3.5710,  
-28.9070


 251.2100, 7.7960,  
-9.1320

 161.8580, -3.6170,  
-28.0730

 135.3850, -3.6630,  
-27.2390

 109.9120, -3.7090,  
-26.4050

 85.1400, -4.3510,  
-25.7830

 60.6670, -4.3970,  
-24.9490

 37.3680, -4.9930,

-25.1610

■ 19.9580, -9.3500,  
-17.7820

■ 0.0000, 0.0000,  
0.0000

■ 217.2170, -3.2500,  
-29.2180

■ 217.2170, -3.2500,  
-29.2180

■ 209.9960, -4.4860,  
-39.8620

■ 224.4380, -2.0140,  
-18.5740

■ 202.8890, -6.0430,  
-50.1950

■ 231.2460, -1.0530,  
-8.4530

■ 195.9670, -6.6830,  
-60.6270

■ 238.4670, 0.1830,  
2.1910

■ 188.7460, -7.9190,  
-71.2710

■ 244.4340, 4.9500,  
9.4140

■ 181.6390, -9.4760,  
-81.6040

■ 174.7170,  
-10.1160, -92.0360

■ 167.4960,  
-11.3520, -102.6800

■ 166.0290,  
-11.5350, -104.8710

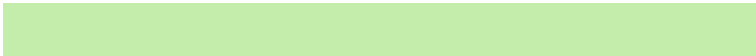
# Harmonies

## Analogous

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



221.4830, 28.4760, -20.4840



217.2170, -3.2500, -29.2180



211.7150, -39.8830, -31.6190

# Triad

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



217.2170, -3.2500, -29.2180



210.9680, -58.8680, -12.4360



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.



217.2170, -3.2500, -29.2180



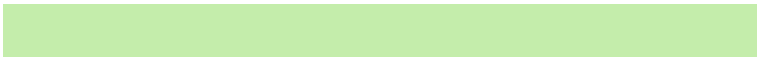
190.7830, 3.2500, 29.2180

# 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.



222.5040, 17.0970, 26.0650



217.2170, -3.2500, -29.2180



219.4720, -24.5760, 4.8640

# Square

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



217.2170, -3.2500, -29.2180



204.6120, -81.6530, -23.5170



227.0790, 7.9280, 21.5280

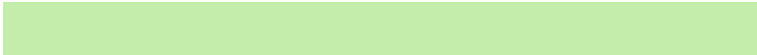


216.3990, 38.4210, 3.0370



# Rectangle

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



217.2170, -3.2500, -29.2180



208.1500, -63.0370, -30.5010



227.0790, 7.9280, 21.5280



218.0070, 25.6260, 20.1700

# Sweetspot

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



217.2170, -3.2500, -29.2180



248.8330, -1.3280, -8.9760



214.8010, 28.0610, -7.4510



124.1260, -0.5950, -5.7390



0.0000, 0.0000, 0.0000

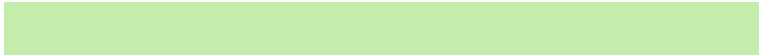


128.0000, -0.0000, -0.0000

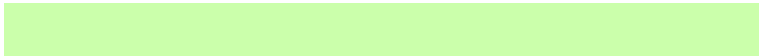


# Same Dimension

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



217.2170, -3.2500, -29.2180



229.8760, -4.0280, -37.1480



210.6540, -20.7180, -32.0300



113.6530, -0.6410, -4.9050



126.5790, -9.2470, -80.2470



37.6780, -2.9300, -24.0020



# Inverse Universe

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



190.7830, 3.2500, 29.2180



196.1240, 4.0280, 37.1480



197.3460, 20.7180, 32.0300



109.3470, 0.6410, 4.9050



54.4210, 9.2470, 80.2470

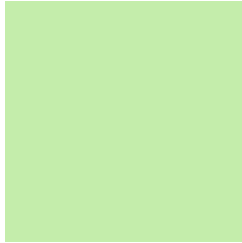


16.0230, 2.3340, 23.7900



# Previews

## White Background



This preview shows how the YIQ color 217.2170, -3.2500, -29.2180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

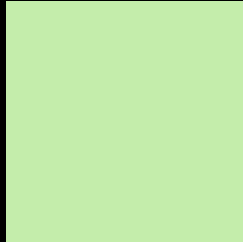
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.2170, -3.2500, -29.2180 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 217.2170, -3.2500, -29.2180

## Background



This preview shows how black text looks on a background with the YIQ color 217.2170, -3.2500, -29.2180.



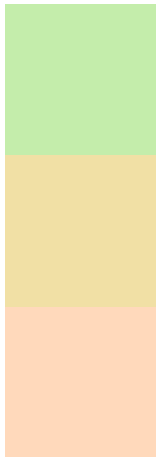
This preview shows how white text looks on a background with the YIQ color 217.2170, -3.2500,

-29.2180.

# 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

217.2170, -3.2500, -29.2180

### Protanopia

222.3570, 29.0710, -14.7450

### Deuteranopia

224.9420, 32.2780, -1.2740



## Tritanopia

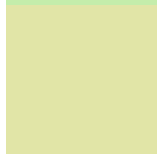
223.0720, -17.6980, 1.3580

# Trichromacy



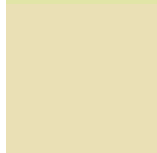
## Original Color

217.2170, -3.2500, -29.2180



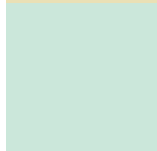
## Protanomaly

220.7360, 17.5180, -20.1300



## Deuteranomaly

222.0880, 19.7630, -11.2530



## Tritanomaly

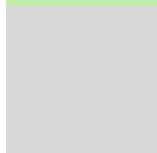
221.1460, -12.5150, -9.9790

# Monochromacy



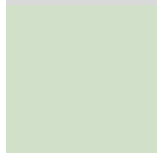
## Original Color

217.2170, -3.2500, -29.2180



## Achromatopsia

217.0000, -0.0000, 0.0000



## Achromatomaly

216.7790, -1.2360, -10.6440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.2170, -3.2500, -29.2180 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(196, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(196, 237, 171)  
}
```

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(196, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 237, 171) }
```

## Border

The CSS property to change the border of an element to YIQ 217.2170, -3.2500, -29.2180 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(196, 237, 171) }
```



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

```
.border{ border-color:rgb(196, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(196, 237,  
171) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.2170, -3.2500, -29.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 237, 171) }
```

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

```
.background{ background-color: rgb(196,  
237, 171) }
```

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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