

# Converting Colors

YIQ(221.0170, 1.3300, -2.0780)

Have a look what the booklet for  
YIQ(221.0170, 1.3300, -2.0780)  
contains.

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# Color

**YIQ(221.0170, 1.3300,  
-2.0780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDDED8
RGB	221, 222, 216
RGB Percent	87%, 87%, 85%
CMY	0.1333, 0.1294, 0.1529
CMYK	0.00, 0.00, 0.03, 0.13
HSL	70°, 8%, 86%
HSV	70°, 3%, 87%
XYZ	68.3347, 72.5727, 75.3738
YIQ	221.0170, 1.3300, -2.0780

# Conversions

## Conversions Part 2

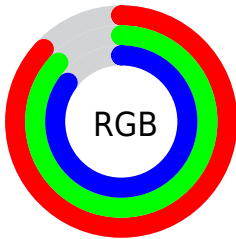
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 222, 217
Decimal	14540504
CIE Lab	88.24, -1.40, 2.81
CIE LCh	88, 3.138, 116.528
Yxy	72.5727, 0.3160, 0.3355
Android (android.graphics.Color)	4292730584 (0xFFDDDED8)
YUV	221.0170, -2.4734, -0.0149
Hunter-Lab	85.1896, -5.8983, 7.1743

# Details

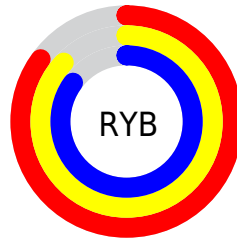
The YIQ color  $221.0170, 1.3300, -2.0780$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $216.9830, -1.3300, 2.0780$ , and the grayscale version is  $221.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $166.0170, 1.3300, -2.0780$  is the 20% darker color. If you saturate the color by 10%, you get  $217.3130, 6.0080, -9.7680$ , and if you desaturate by 10%, it is  $224.7210, -3.3480, 5.6120$ .

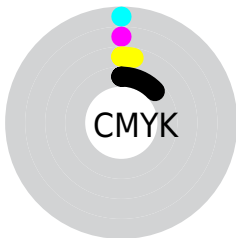
# Distribution



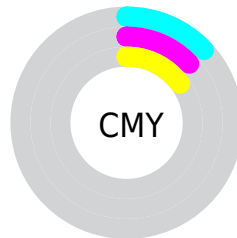
- Red (87%)
- Green (87%)
- Blue (85%)



- Red (85%)
- Yellow (87%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 221.0170, 1.3300, -2.0780 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 221.0170, 1.3300, -2.0780 by changing the saturation by 10% instead.



■ 221.0170, 1.3300,  
-2.0780

■ 221.0170, 1.3300,  
-2.0780

255.0000, -0.0000,  
-0.0000

■ 193.0170, 1.3300,  
-2.0780

■ 166.0170, 1.3300,  
-2.0780

■ 140.0170, 1.3300,  
-2.0780

■ 114.1310, 1.0090,  
-1.7670

■ 90.0170, 1.3300,  
-2.0780

■ 66.1310, 1.0090,  
-1.7670

■ 44.1310, 1.0090,

-1.7670

■ 23.5440, 1.2840,  
-1.2440

■ 0.0000, 0.0000,  
0.0000

■ 221.0170, 1.3300,  
-2.0780

■ 221.0170, 1.3300,  
-2.0780

■ 217.3130, 6.0080,  
-9.7680

■ 224.7210, -3.3480,  
5.6120

■ 213.9080, 11.2820,  
-17.2460

■ 227.5560, -7.0170,  
11.5350

■ 210.0900, 16.2810,  
-25.2470

■ 228.7520, -4.6330,  
12.3830

■ 206.3860, 20.9590,  
-32.9370

■ 229.9480, -2.2490,  
13.2310

■ 202.6820, 25.6370,  
-40.6270

■ 231.1440, 0.1350,  
14.0790

■ 199.2770, 30.9110,  
-48.1050

■ 232.0410, 1.9230,  
14.7150

■ 195.5730, 35.5890,  
-55.7950

■ 233.2370, 4.3070,  
15.5630

■ 191.7550, 40.5880,  
-63.7960

■ 234.4330, 6.6910,  
16.4110

■ 188.3500, 45.8620,  
-71.2740

■ 235.3300, 8.4790,  
17.0470

# Harmonies

## Analogous

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



221.2130, 3.7140, -1.2300



221.0170, 1.3300, -2.0780



220.9350, -1.3750, -2.6150

# Triad

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



221.0170, 1.3300, -2.0780



220.9500, -5.7310, -0.7630



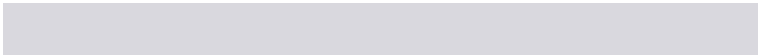
221.7340, 3.8050, 2.6290

# Complementary

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



221.0170, 1.3300, -2.0780



216.9830, -1.3300, 2.0780

# Split Complementary

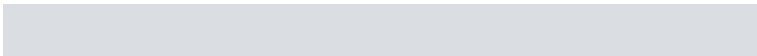
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



222.0650, 1.3750, 2.6150



221.0170, 1.3300, -2.0780



221.3740, -3.9890, 0.7070

# Square

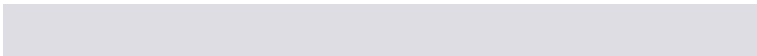
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



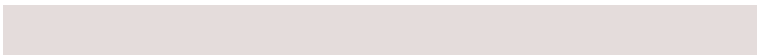
221.0170, 1.3300, -2.0780



220.4230, -5.6850, -1.5970



221.9830, -1.3300, 2.0780



222.2780, 5.0890, 1.3850



# Rectangle

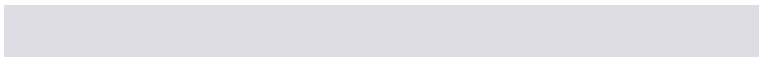
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



221.0170, 1.3300, -2.0780



220.5650, -3.2090, -2.4170



221.9830, -1.3300, 2.0780



222.4350, 3.2090, 2.4170

# Sweetspot

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



221.0170, 1.3300, -2.0780



254.6580, 0.9630, -0.9330



218.3810, 3.3010, 0.7490



127.4730, 0.0460, -0.8340



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.



221.0170, 1.3300, -2.0780



253.7890, 1.9720, -2.7000



220.1200, -0.4580, -2.7140



111.2450, 0.6880, -1.4560



146.9660, 38.6160, -61.0960

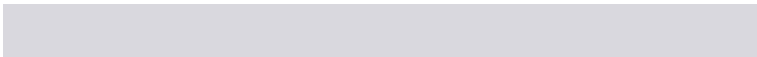


40.1360, 10.6400, -16.6240



# Inverse Universe

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



216.9830, -1.3300, 2.0780



248.5100, -1.3760, 2.9120



217.8800, 0.4580, 2.7140



108.4560, -1.2840, 1.2440



28.7350, -39.2120, 60.8840

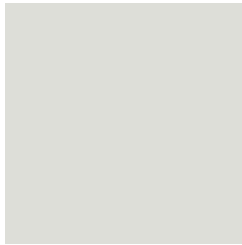


7.8640, -10.6400, 16.6240



# Previews

## White Background



This preview shows how the YIQ color 221.0170, 1.3300, -2.0780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

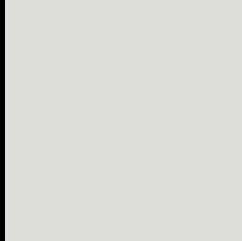
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 221.0170, 1.3300, -2.0780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

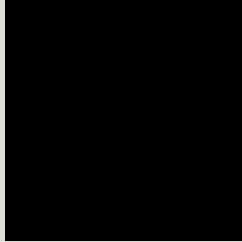
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

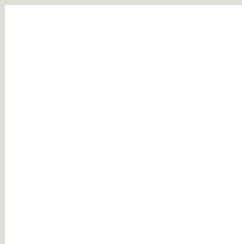
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 221.0170, 1.3300, -2.0780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 221.0170, 1.3300, -2.0780.



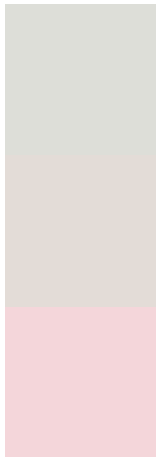
This preview shows how white text looks on a background with the YIQ color 221.0170, 1.3300,

-2.0780.

# 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

221.0170, 1.3300, -2.0780

### Protanopia

221.5230, 5.7770, -0.0710

### Deuteranopia

223.4260, 16.5960, 7.6040



## Tritanopia

222.4330, -2.4770, 6.3470

# Trichromacy



## Original Color

221.0170, 1.3300, -2.0780

## Protanomaly

221.5120, 4.3100, -1.0180

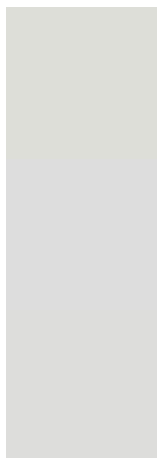
## Deuteranomaly

222.6810, 11.3240, 4.0280

## Tritanomaly

221.9230, -1.1010, 3.4350

# Monochromacy



## Original Color

221.0170, 1.3300, -2.0780

## Achromatopsia

221.0000, 0.0000, 0.0000

## Achromatomaly

220.7720, 0.6420, -0.6220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 221.0170, 1.3300, -2.0780 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(221, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(221, 222, 216)  
}
```

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(221, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 216) }
```

## Border

The CSS property to change the border of an element to YIQ 221.0170, 1.3300, -2.0780 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(221, 222, 216) }
```



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

```
.border{ border-color:rgb(221, 222, 216) }
```

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

Here you see how a box with a 4 pixel rgb(221, 222, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
216) }
```

# Background

The CSS property to change the background color of an element to YIQ 221.0170, 1.3300, -2.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 216) }
```

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

```
.background{ background-color: rgb(221,  
222, 216) }
```

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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