

# Converting Colors

YIQ(170.6890, 35.2090, 17.2010)

Have a look what the booklet for  
YIQ(170.6890, 35.2090, 17.2010)  
contains.

<b>YIQ(170.6890, 35.2090, 17.2010)</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(170.6890, 35.2090,  
17.2010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D796A1
RGB	215, 150, 161
RGB Percent	84%, 59%, 63%
CMY	0.1567, 0.4119, 0.3685
CMYK	0.00, 0.30, 0.25, 0.16
HSL	350°, 45%, 72%
HSV	350°, 30%, 84%
XYZ	45.3744, 38.8317, 38.8375
YIQ	170.6890, 35.2090, 17.2010

# Conversions

## Conversions Part 2

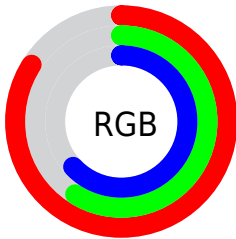
Format	Color
R <sub>Y</sub> B	215, 150, 161
Decimal	14128801
CIE Lab	68.63, 25.99, 4.07
CIE LCh	69, 26.312, 8.907
Yxy	38.8317, 0.3688, 0.3156
Android (android.graphics.Color)	4292318881 (0xFFD796A1)
YUV	170.6890, -4.7767, 38.8607
Hunter-Lab	62.3151, 20.9225, 6.6684

# Details

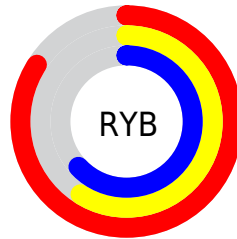
The YIQ color **170.6890, 35.2090, 17.2010** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **194.3110, -35.2090, -17.2010**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **221.2040, 26.2690, 14.0210**, and **117.6070, 32.5040, 16.6640** is the 20% darker color. If you saturate the color by 10%, you get **155.7230, 47.0370, 23.1090**, and if you desaturate by 10%, it is **185.0680, 23.6560, 11.8160**.

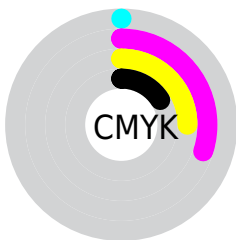
# Distribution



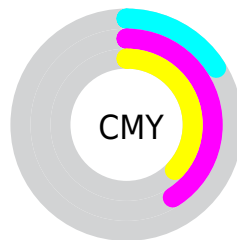
- Red (84%)
- Green (59%)
- Blue (63%)



- Red (84%)
- Yellow (59%)
- Blue (63%)



- Cyan (0%)
- Magenta (30%)
- Yellow (25%)
- Black (16%)




- Cyan (16%)
- Magenta (41%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 170.6890, 35.2090, 17.2010 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 170.6890, 35.2090, 17.2010 by changing the saturation by 10% instead.





 170.6890, 35.2090,  
17.2010


 170.6890, 35.2090,  
17.2010


255.0000, -0.0000,  
-0.0000


 144.0910, 34.0170,  
16.7770


 221.2040, 26.2690,  
14.0210


 117.6070, 32.5040,  
16.6640

 240.8320, 9.5810,  
8.0850

 92.5960, 31.0370,  
15.7170

 68.1120, 29.5240,  
15.6040

 44.3290, 27.4150,  
15.2790

 21.0730, 25.2600,  
15.7880

 10.2800, 19.9430,

7.5190

■ 0.0000, 0.0000,  
0.0000

■ 170.6890, 35.2090,  
17.2010

■ 170.6890, 35.2090,  
17.2010

■ 155.7230, 47.0370,  
23.1090

■ 185.0680, 23.6560,  
11.8160

■ 141.3440, 58.5900,  
28.4940

■ 200.0340, 11.8280,  
5.9080

■ 126.3780, 70.4180,  
34.4020

■ 214.4130, 0.2750,  
0.5230

■ 112.1130, 81.6500,  
40.0980

■ 229.2650,  
-11.2320, -5.6960

■ 97.1470, 93.4780,  
46.0060

■ 242.4700,  
-22.2350, -10.0350

■ 82.7680, 105.0310,  
51.3910

■ 243.0400,  
-23.8400, -8.4800

■ 68.5030, 116.2630,  
57.0870

# Harmonies

## Analogous

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



171.3100, 20.3990, 21.2870



170.6890, 35.2090, 17.2010



169.3440, 40.2540, 8.3660

# Triad

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



170.6890, 35.2090, 17.2010



162.6940, 0.1410, -19.0830



160.5770, -47.0410, -1.0010

# Complementary

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



170.6890, 35.2090, 17.2010



194.3110, -35.2090, -17.2010

# 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.



156.1210, -54.9250, -12.3090



170.6890, 35.2090, 17.2010



159.2490, -23.4710, -20.6790

# Square

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



170.6890, 35.2090, 17.2010



165.5180, 21.3680, -12.8080



156.5810, -44.8370, -18.9250



166.6770, -26.4110, 10.5890



# Rectangle

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



170.6890, 35.2090, 17.2010



168.5190, 37.9630, 0.3230



156.5810, -44.8370, -18.9250



158.9030, -51.0750, -4.9870

# Sweetspot

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



170.6890, 35.2090, 17.2010



239.3330, 12.4240, 6.1200



173.2570, 10.7230, 31.4510



117.8270, 7.9770, 4.1130



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.



170.6890, 35.2090, 17.2010



192.3320, 49.6960, 24.4800



181.7620, 32.9650, 2.7970



99.5170, 5.9140, 2.9540



54.4350, 92.6070, 45.2710



13.6550, 23.3810, 11.2930



# Inverse Universe

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



170.6890, 35.2090, 17.2010



192.3320, 49.6960, 24.4800



183.2380, -32.9650, -2.7970



99.5170, 5.9140, 2.9540



54.4350, 92.6070, 45.2710



13.6550, 23.3810, 11.2930



# Previews

## White Background



This preview shows how the YIQ color 170.6890, 35.2090, 17.2010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

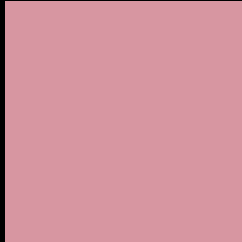
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 170.6890, 35.2090, 17.2010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

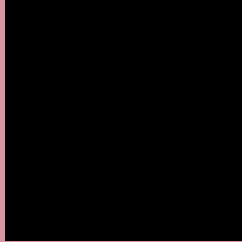
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 170.6890, 35.2090, 17.2010

## Background



This preview shows how black text looks on a background with the YIQ color 170.6890, 35.2090, 17.2010.



This preview shows how white text looks on a background with the YIQ color 170.6890, 35.2090,



# 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

170.6890, 35.2090, 17.2010

### Protanopia

168.3530, 0.5040, 1.8800

### Deuteranopia

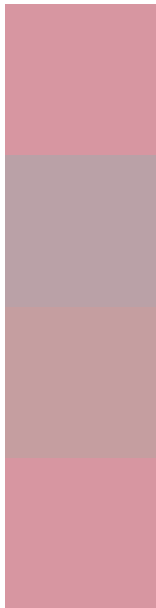
169.1330, 15.8630, 4.3670



## Tritanopia

170.6890, 35.2090, 17.2010

# Trichromacy



## Original Color

170.6890, 35.2090, 17.2010

## Protanomaly

169.1590, 12.9740, 7.1660

## Deuteranomaly

169.8890, 22.6020, 8.8900

## Tritanomaly

170.6890, 35.2090, 17.2010

# Monochromacy



## Original Color

170.6890, 35.2090, 17.2010

## Achromatopsia

171.0000, -0.0000, -0.0000

## Achromatomaly

170.6320, 13.0200, 6.3320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 170.6890, 35.2090, 17.2010 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(215, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(215, 150, 161)  
}
```

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(215, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 150, 161) }
```

## Border

The CSS property to change the border of an element to YIQ 170.6890, 35.2090, 17.2010 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(215, 150, 161) }
```



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

```
.border{ border-color:rgb(215, 150, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 150, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 150, 161); box-shadow:4px 4px 4px 4px rgb(215, 150, 161) }
```

# Background

The CSS property to change the background color of an element to YIQ 170.6890, 35.2090, 17.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 150, 161) }
```

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

```
.background{ background-color: rgb(215,  
150, 161) }
```

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