

# Converting Colors

YIQ(206.9850, 30.7190, -0.5530)

Have a look what the booklet for  
YIQ(206.9850, 30.7190, -0.5530)  
contains.

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# Color

**YIQ(206.9850, 30.7190,  
-0.5530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECC7AC
RGB	236, 199, 172
RGB Percent	93%, 78%, 67%
CMY	0.0744, 0.2196, 0.3253
CMYK	0.00, 0.16, 0.27, 0.07
HSL	25°, 63%, 80%
HSV	25°, 27%, 93%
XYZ	62.4678, 61.6556, 47.6564
YIQ	206.9850, 30.7190, -0.5530

# Conversions

## Conversions Part 2

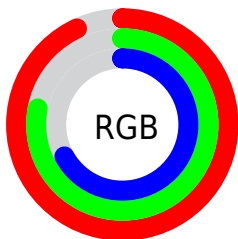
Format	Color
R <sub>Y</sub> B	236, 219, 172
Decimal	15517612
CIE Lab	82.73, 9.16, 18.37
CIE LCh	83, 20.530, 63.502
Yxy	61.6556, 0.3637, 0.3589
Android (android.graphics.Color)	4293707692 (0xFFECC7AC)
YUV	206.9850, -17.2476, 25.4462
Hunter-Lab	78.5211, 4.5947, 18.9802

# Details

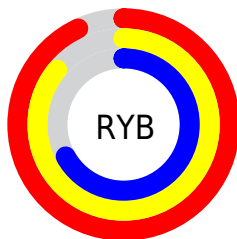
The YIQ color  $206.9850, 30.7190, -0.5530$  is a light color, and the websafe version is hex  $\text{FFCC99}$ . A complement of this color would be  $201.0150, -30.7190, 0.5530$ , and the grayscale version is  $207.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $251.8080, 8.9880, -8.7080$ , and  $152.3160, 28.2890, -0.5670$  is the 20% darker color. If you saturate the color by 10%, you get  $196.0310, 42.2730, -0.6950$ , and if you desaturate by 10%, it is  $217.9390, 19.1650, -0.4110$ .

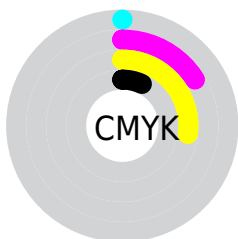
# Distribution



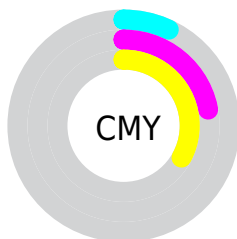
- Red (93%)
- Green (78%)
- Blue (67%)



- Red (93%)
- Yellow (86%)
- Blue (67%)



- Cyan (0%)
- Magenta (16%)
- Yellow (27%)
- Black (7%)




- Cyan (7%)
- Magenta (22%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.9850, 30.7190, -0.5530 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 206.9850, 30.7190, -0.5530 by changing the saturation by 10% instead.





 206.9850, 30.7190,  
-0.5530


 206.9850, 30.7190,  
-0.5530

255.0000, -0.0000,  
-0.0000


 179.3870, 29.5270,  
-0.9770


 251.8080, 8.9880,  
-8.7080

 152.3160, 28.2890,  
-0.5670

 126.1310, 27.3720,  
-0.4680

 101.2340, 25.5840,  
-1.1040

 77.0490, 24.6670,  
-1.0050

 54.2660, 22.5580,  
-1.3300

 31.3260, 22.3290,

-2.6870

■ 9.5460, 16.1380,  
4.8900

■ 0.0000, 0.0000,  
0.0000

■ 206.9850, 30.7190,  
-0.5530

■ 206.9850, 30.7190,  
-0.5530

■ 196.0310, 42.2730,  
-0.6950

■ 217.9390, 19.1650,  
-0.4110

■ 185.7780, 53.2310,  
-1.0490

■ 228.1920, 8.2070,  
-0.0570

■ 174.8240, 64.7850,  
-1.1910

■ 239.1460, -3.3470,  
0.0850

■ 163.9840, 76.0180,  
-1.0220

■ 248.7320,  
-11.0490, -3.5050

■ 153.6170, 87.2970,  
-1.6870

■ 249.3190,  
-11.3240, -4.0280

■ 142.6630, 98.8510,  
-1.8290

■ 131.8230,  
110.0840, -1.6600

■ 128.6770,  
113.4310, -1.7450

# Harmonies

## Analogous

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



208.5220, 33.8810, 8.2250



206.9850, 30.7190, -0.5530



204.9680, 20.2210, -8.5390

# Triad

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



206.9850, 30.7190, -0.5530



198.6320, -31.6790, -15.0950



207.9200, -5.0460, 14.3620

# Complementary

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



206.9850, 30.7190, -0.5530



201.0150, -30.7190, 0.5530

# 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.



205.2380, -23.7970, 7.2670



206.9850, 30.7190, -0.5530



198.6020, -40.1620, -10.0340

# Square

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



206.9850, 30.7190, -0.5530



200.2610, -14.5770, -16.6650



201.7260, -37.2750, -1.7790



209.6680, 13.3390, 17.0750



# Rectangle

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



206.9850, 30.7190, -0.5530



203.3580, 10.1350, -12.9770



201.7260, -37.2750, -1.7790



207.0440, -11.3270, 12.5530

# Sweetspot

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



206.9850, 30.7190, -0.5530



245.6760, 9.7200, 0.0560



195.3540, 26.2670, 25.0750



121.8220, 6.3730, 0.1410



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.



206.9850, 30.7190, -0.5530



216.6610, 40.4390, -0.4970



225.7690, 21.9190, -17.2890



112.2240, 5.1810, -0.2830



98.7310, 86.9760, -1.3760



29.6470, 25.8590, -0.5810

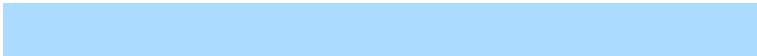


# Inverse Universe

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



201.0150, -30.7190, 0.5530



209.3390, -40.4390, 0.4970



182.2310, -21.9190, 17.2890



110.7760, -5.1810, 0.2830



82.2690, -86.9760, 1.3760



24.3530, -25.8590, 0.5810



# Previews

## White Background



This preview shows how the YIQ color 206.9850, 30.7190, -0.5530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

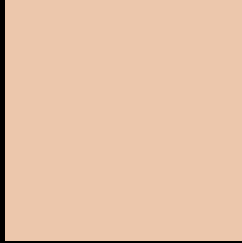
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 206.9850, 30.7190, -0.5530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

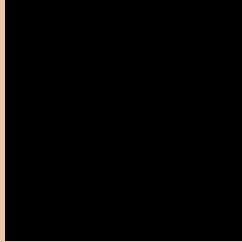
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 206.9850, 30.7190, -0.5530

## Background



This preview shows how black text looks on a background with the YIQ color 206.9850, 30.7190, -0.5530.



This preview shows how white text looks on a background with the YIQ color 206.9850, 30.7190,

-0.5530.

# 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

206.9850, 30.7190, -0.5530

### Protanopia

205.7550, 16.5070, -7.3090

### Deuteranopia

206.9960, 32.1860, 0.3940



## Tritanopia

209.4640, 22.6010, 14.4170

# Trichromacy



## Original Color

206.9850, 30.7190, -0.5530

## Protanomaly

205.9730, 21.8250, -4.5670

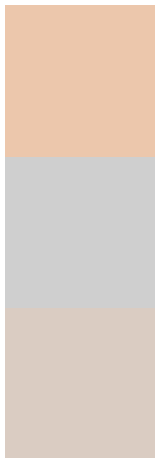
## Deuteranomaly

206.6970, 31.5900, 0.1820

## Tritanomaly

208.8570, 25.6280, 9.1160

# Monochromacy



## Original Color

206.9850, 30.7190, -0.5530

## Achromatopsia

207.0000, 0.0000, -0.0000

## Achromatomaly

207.0460, 11.5540, -0.1420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.9850, 30.7190, -0.5530 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(236, 199, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 199, 172)  
}
```

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(236, 199, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 199, 172) }
```

## Border

The CSS property to change the border of an element to YIQ 206.9850, 30.7190, -0.5530 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(236, 199, 172) }
```



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

```
.border{ border-color:rgb(236, 199, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 199, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 199, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 199, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 199,  
172) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.9850, 30.7190, -0.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 199, 172) }
```

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

```
.background{ background-color: rgb(236,  
199, 172) }
```

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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