

# Converting Colors

YIQ(198.5500, 36.6780, 7.0940)

Have a look what the booklet for  
YIQ(198.5500, 36.6780, 7.0940)  
contains.

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# Color

**YIQ(198.5500, 36.6780,  
7.0940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEB8AA
RGB	238, 184, 170
RGB Percent	93%, 72%, 67%
CMY	0.0665, 0.2785, 0.3332
CMYK	0.00, 0.23, 0.29, 0.07
HSL	12°, 67%, 80%
HSV	12°, 29%, 93%
XYZ	59.6654, 55.3578, 45.5904
YIQ	198.5500, 36.6780, 7.0940

# Conversions

## Conversions Part 2

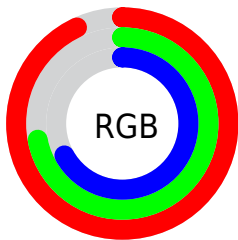
Format	Color
R <sub>Y</sub> B	238, 188, 170
Decimal	15644842
CIE Lab	79.25, 17.57, 14.59
CIE LCh	79, 22.843, 39.712
Yxy	55.3578, 0.3715, 0.3447
Android (android.graphics.Color)	4293834922 (0xFFEEB8AA)
YUV	198.5500, -14.0751, 34.5977
Hunter-Lab	74.4028, 12.9386, 15.7519

# Details

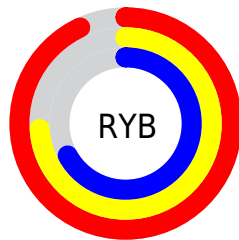
The YIQ color **198.5500, 36.6780, 7.0940** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **209.4500, -36.6780, -7.0940**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **242.7750, 13.7550, -1.4850**, and **144.4680, 33.9730, 6.5570** is the 20% darker color. If you saturate the color by 10%, you get **184.6610, 49.6070, 9.5670**, and if you desaturate by 10%, it is **212.4390, 23.7490, 4.6210**.

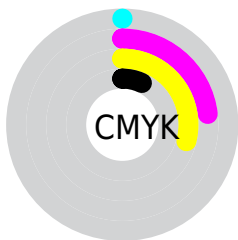
# Distribution



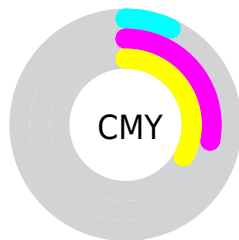
- Red (93%)
- Green (72%)
- Blue (67%)



- Red (93%)
- Yellow (74%)
- Blue (67%)



- Cyan (0%)
- Magenta (23%)
- Yellow (29%)
- Black (7%)




- Cyan (7%)
- Magenta (28%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.5500, 36.6780, 7.0940 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 198.5500, 36.6780, 7.0940 by changing the saturation by 10% instead.




 198.5500, 36.6780,  
7.0940

 198.5500, 36.6780,  
7.0940


255.0000, -0.0000,  
-0.0000


 171.0660, 35.1650,  
6.9810


 242.7750, 13.7550,  
-1.4850


 144.4680, 33.9730,  
6.5570

254.8860, 0.3210,  
-0.3110

 117.9840, 32.4600,  
6.4440

 93.2010, 30.3510,  
6.1190

 69.3040, 28.5630,  
5.4830

 46.5210, 26.4540,  
5.1580

 23.4670, 26.5460,

3.4900

■ 8.4860, 16.3670,  
6.2470

■ 0.0000, 0.0000,  
0.0000

■ 198.5500, 36.6780,  
7.0940

■ 198.5500, 36.6780,  
7.0940

■ 184.6610, 49.6070,  
9.5670

■ 212.4390, 23.7490,  
4.6210

■ 170.7720, 62.5360,  
12.0400

■ 226.3280, 10.8200,  
2.1480

■ 156.9970, 75.1440,  
14.8240

■ 240.1030, -1.7880,  
-0.6360

■ 143.1080, 88.0730,  
17.2970

■ 249.9170,  
-10.1320, -3.6040

■ 129.2190,  
101.0020, 19.7700

■ 115.3300,  
113.9310, 22.2430

■ 102.0280,  
126.5850, 24.1930

■ 99.9250, 128.3730,  
24.8290

# Harmonies

## Analogous

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



199.6670, 32.2750, 15.3070



198.5500, 36.6780, 7.0940



197.0020, 32.0490, -2.6310

# Triad

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



198.5500, 36.6780, 7.0940



189.3850, -20.8580, -18.4740



196.3030, -22.4220, 9.8820

# Complementary

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



198.5500, 36.6780, 7.0940



209.4500, -36.6780, -7.0940

# 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.



191.5240, -39.5220, 0.3980



198.5500, 36.6780, 7.0940



187.9840, -38.6020, -16.2820

# Square

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



198.5500, 36.6780, 7.0940



191.8620, -0.2720, -17.1040



188.4920, -45.6640, -9.4400



199.5400, -0.9200, 16.6800



# Rectangle

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



198.5500, 36.6780, 7.0940



195.7080, 23.8890, -8.9350



188.4920, -45.6640, -9.4400



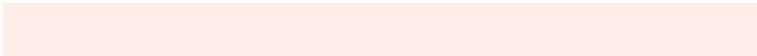
194.4870, -28.9320, 6.7160

# Sweetspot

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



198.5500, 36.6780, 7.0940



241.8120, 12.3330, 2.2610



196.4880, 23.1940, 31.2100



119.2460, 8.1150, 1.6110



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.



198.5500, 36.6780, 7.0940



204.5790, 46.9020, 9.0300



218.5080, 27.3280, -10.6880



112.7620, 6.6020, 1.4980



77.3220, 99.2140, 19.1340



23.7880, 30.0760, 5.5960



# Inverse Universe

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



209.4500, -36.6780, -7.0940



218.4210, -46.9020, -9.0300



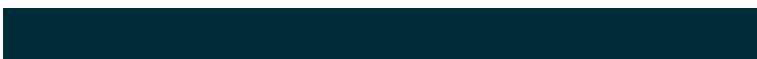
189.4920, -27.3280, 10.6880



114.6510, -6.3270, -0.9750



106.6780, -99.2140, -19.1340

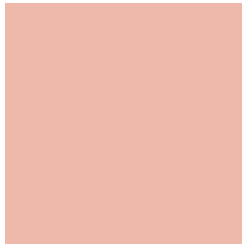


32.7990, -30.3510, -6.1190



# Previews

## White Background



This preview shows how the YIQ color 198.5500, 36.6780, 7.0940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

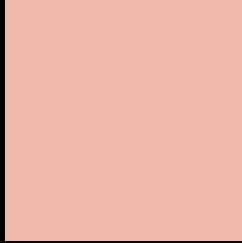
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 198.5500, 36.6780, 7.0940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

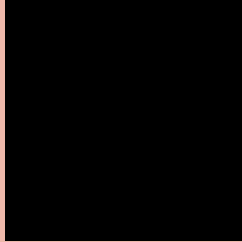
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 198.5500, 36.6780, 7.0940

## Background



This preview shows how black text looks on a background with the YIQ color 198.5500, 36.6780, 7.0940.



This preview shows how white text looks on a background with the YIQ color 198.5500, 36.6780,



# 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

198.5500, 36.6780, 7.0940

### Protanopia

196.4110, 11.7840, -4.3120

### Deuteranopia

197.4840, 27.8760, 1.4120



## Tritanopia

199.8350, 31.8620, 17.2860

# Trichromacy



## Original Color

198.5500, 36.6780, 7.0940

## Protanomaly

197.4230, 20.6780, -0.2980

## Deuteranomaly

197.8050, 31.4060, 3.5180

## Tritanomaly

199.0970, 33.8800, 13.7520

# Monochromacy



## Original Color

198.5500, 36.6780, 7.0940

## Achromatopsia

199.0000, -0.0000, 0.0000

## Achromatomaly

198.9970, 13.2500, 2.1620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.5500, 36.6780, 7.0940 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(238, 184, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 184, 170)  
}
```

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(238, 184, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 184, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 198.5500, 36.6780, 7.0940 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(238, 184, 170) }
```



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

```
.border{ border-color:rgb(238, 184, 170) }
```

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

Here you see how a box with a 4 pixel rgb(238, 184, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 184, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 184, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 184,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.5500, 36.6780, 7.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 184, 170) }
```

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

```
.background{ background-color: rgb(238,  
184, 170) }
```

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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