

# Converting Colors

YIQ(198.4160, 39.7510, 0.9590)

Have a look what the booklet for  
YIQ(198.4160, 39.7510, 0.9590)  
contains.

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# Color

**YIQ(198.4160, 39.7510,  
0.9590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDBB9C
RGB	237, 187, 156
RGB Percent	93%, 73%, 61%
CMY	0.0705, 0.2667, 0.3880
CMYK	0.00, 0.21, 0.34, 0.07
HSL	23°, 69%, 77%
HSV	23°, 34%, 93%
XYZ	58.7041, 55.9425, 39.1770
YIQ	198.4160, 39.7510, 0.9590

# Conversions

## Conversions Part 2

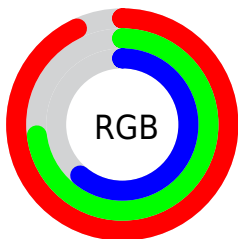
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 206, 156
Decimal	15580060
CIE Lab	79.58, 13.82, 22.54
CIE LCh	80, 26.443, 58.491
Yxy	55.9425, 0.3816, 0.3637
Android (android.graphics.Color)	4293770140 (0xFFEDBB9C)
YUV	198.4160, -20.9111, 33.8382
Hunter-Lab	74.7947, 9.2085, 21.3005

# Details

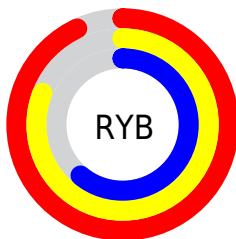
The YIQ color **198.4160, 39.7510, 0.9590** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **194.5840, -39.7510, -0.9590**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **242.9400, 17.4240, -7.4080**, and **144.4480, 36.7250, 0.7330** is the 20% darker color. If you saturate the color by 10%, you get **186.8750, 51.5800, 1.3400**, and if you desaturate by 10%, it is **209.9570, 27.9220, 0.5780**.

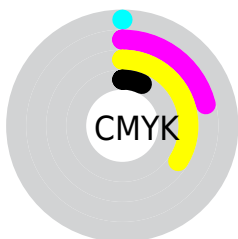
# Distribution



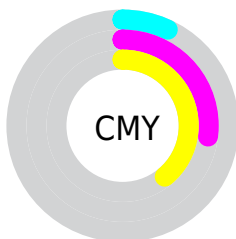
- Red (93%)
- Green (73%)
- Blue (61%)



- Red (93%)
- Yellow (81%)
- Blue (61%)



- Cyan (0%)
- Magenta (21%)
- Yellow (34%)
- Black (7%)




- Cyan (7%)
- Magenta (27%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.4160, 39.7510, 0.9590 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 198.4160, 39.7510, 0.9590 by changing the saturation by 10% instead.





 198.4160, 39.7510,  
0.9590


 198.4160, 39.7510,  
0.9590


255.0000, -0.0000,  
-0.0000


 170.9320, 38.2380,  
0.8460


 242.9400, 17.4240,  
-7.4080


 144.4480, 36.7250,  
0.7330

 253.1760, 5.1360,  
-4.9760

 117.9640, 35.2120,  
0.6200

 93.1810, 33.1030,  
0.2950

 69.3980, 30.9940,  
-0.0300

 46.3160, 28.2890,  
-0.5670

 25.2170, 24.2540,

0.9740

■ 7.5890, 14.5790,  
5.6110

■ 0.0000, 0.0000,  
0.0000

■ 198.4160, 39.7510,  
0.9590

■ 198.4160, 39.7510,  
0.9590

■ 186.8750, 51.5800,  
1.3400

■ 209.9570, 27.9220,  
0.5780

■ 176.0350, 62.8130,  
1.5090

■ 220.7970, 16.6890,  
0.4090

■ 164.4940, 74.6420,  
1.8900

■ 232.3380, 4.8600,  
0.0280

■ 152.9530, 86.4710,  
2.2710

■ 243.8790, -6.9690,  
-0.3530

■ 142.1130, 97.7040,  
2.4400

■ 249.6180,  
-10.7280, -3.8160

■ 130.5720,  
109.5330, 2.8210

■ 124.2800,  
116.2270, 2.6510

# Harmonies

## Analogous

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



200.0500, 41.2620, 12.1260



198.4160, 39.7510, 0.9590



196.2200, 28.1990, -9.9530

# Triad

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



198.4160, 39.7510, 0.9590



187.3490, -38.3720, -20.4520



199.2770, -10.3650, 17.1470

# Complementary

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



198.4160, 39.7510, 0.9590



194.5840, -39.7510, -0.9590

# 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.



195.0780, -35.0300, 7.0980



198.4160, 39.7510, 0.9590



186.6110, -53.5490, -15.2210

# Square

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



198.4160, 39.7510, 0.9590



190.0280, -15.5390, -21.2590



189.6040, -51.6710, -5.1990



201.6020, 13.7050, 21.4570



# Rectangle

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



198.4160, 39.7510, 0.9590



194.3000, 16.0500, -15.5500



189.6040, -51.6710, -5.1990



198.2050, -19.0300, 14.4900

# Sweetspot

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



198.4160, 39.7510, 0.9590



242.7580, 12.4250, 0.5930



186.0330, 31.9050, 33.0330



120.3060, 7.8860, 0.2540



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.



198.4160, 39.7510, 0.9590



204.8750, 51.5800, 1.3400



221.3090, 29.0260, -19.4380



111.6370, 5.4560, 0.2400



94.6220, 88.9010, 2.2850



27.8860, 26.6840, 0.9880



# Inverse Universe

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



194.5840, -39.7510, -0.9590



200.1250, -51.5800, -1.3400



171.6910, -29.0260, 19.4380



111.3630, -5.4560, -0.2400



86.3780, -88.9010, -2.2850



25.5270, -26.4090, -0.4650



# Previews

## White Background



This preview shows how the YIQ color 198.4160, 39.7510, 0.9590 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 198.4160, 39.7510, 0.9590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

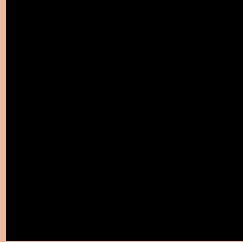
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 198.4160, 39.7510, 0.9590

## Background



This preview shows how black text looks on a background with the YIQ color 198.4160, 39.7510, 0.9590.



This preview shows how white text looks on a background with the YIQ color 198.4160, 39.7510,

0.9590.

# 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

198.4160, 39.7510, 0.9590

### Protanopia

196.4840, 18.7080, -8.6520

### Deuteranopia

198.3830, 35.3500, -1.8820



## Tritanopia

200.5360, 31.2660, 17.0740

# Trichromacy



## Original Color

198.4160, 39.7510, 0.9590

## Protanomaly

196.8980, 26.4100, -5.0620

## Deuteranomaly

198.3940, 36.8170, -0.9350

## Tritanomaly

199.8150, 34.6140, 11.4620

# Monochromacy



## Original Color

198.4160, 39.7510, 0.9590

## Achromatopsia

198.0000, -0.0000, 0.0000

## Achromatomaly

198.1280, 14.2590, 0.3950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.4160, 39.7510, 0.9590 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(237, 187, 156)` looks like.

```
.text, #text, p{  
    color:rgb(237, 187, 156)  
}
```

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(237, 187, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 187, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 198.4160, 39.7510, 0.9590 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(237, 187, 156) }
```



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

```
.border{ border-color:rgb(237, 187, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 187, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 187, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 187, 156);  
box-shadow:4px 4px 4px 4px rgb(237, 187,  
156) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.4160, 39.7510, 0.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 187, 156) }
```

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

```
.background{ background-color: rgb(237,  
187, 156) }
```

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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