

# Converting Colors

YIQ(232.9990, 26.9630,  
-20.5970)

Have a look what the booklet for  
YIQ(232.9990, 26.9630, -20.5970)  
contains.

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# Color

**YIQ(232.9990, 26.9630,  
-20.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6EFA8
RGB	246, 239, 168
RGB Percent	96%, 94%, 66%
CMY	0.0353, 0.0627, 0.3410
CMYK	0.00, 0.03, 0.32, 0.04
HSL	55°, 81%, 81%
HSV	55°, 32%, 96%
XYZ	75.9409, 84.1514, 49.3063
YIQ	232.9990, 26.9630, -20.5970

# Conversions

## Conversions Part 2

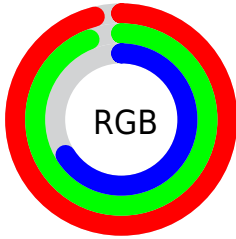
Format	Color
<a href="#">RYB</a>	176, 246, 168
Decimal	16183208
CIELab	93.52, -8.09, 35.24
CIELCh	94, 36.155, 102.931
Yxy	84.1514, 0.3627, 0.4019
Android (android.graphics.Color)	4294373288 (0xFFFF6EFA8)
YUV	232.9990, -32.0445, 11.4019
Hunter-Lab	91.7341, -12.7657, 32.3460

# Details

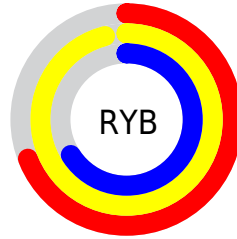
The YIQ color **232.9990, 26.9630, -20.5970** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **181.0010, -26.9630, 20.5970**, and the grayscale version is **233.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **251.4660, 9.9510, -9.6410**, and **177.0420, 25.4040, -19.8760** is the 20% darker color. If you saturate the color by 10%, you get **228.9750, 35.5380, -27.3260**, and if you desaturate by 10%, it is **237.0230, 18.3880, -13.8680**.

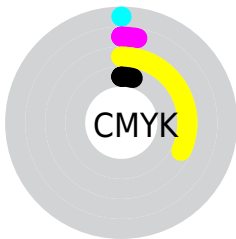
# Distribution



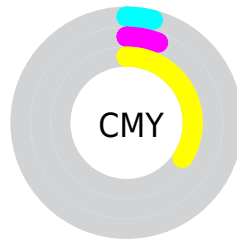
- Red (96%)
- Green (94%)
- Blue (66%)



- Red (69%)
- Yellow (96%)
- Blue (66%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 232.9990, 26.9630, -20.5970 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 232.9990, 26.9630, -20.5970 by changing the saturation by 10% instead.



232.9990, 26.9630,  
-20.5970

232.9990, 26.9630,  
-20.5970

255.0000, -0.0000,  
-0.0000

204.8140, 26.0460,  
-20.4980

251.4660, 9.9510,  
-9.6410

177.0420, 25.4040,  
-19.8760

254.7720, 0.6420,  
-0.6220

149.9710, 24.1660,  
-19.4660

123.9000, 22.9280,  
-19.0560

98.7150, 22.0110,  
-18.9570

74.1170, 20.8190,  
-19.3810

51.3880, 18.6180,

-18.0380

■ 31.8850, 10.0890,  
-12.1430

■ 9.9790, -4.6750,  
-8.8910

■ 232.9990, 26.9630,  
-20.5970

■ 232.9990, 26.9630,  
-20.5970

■ 228.9750, 35.5380,  
-27.3260

■ 237.0230, 18.3880,  
-13.8680

■ 225.0650, 43.7920,  
-33.7440

■ 240.9330, 10.1340,  
-7.4500

■ 220.4540, 52.6420,  
-39.9500

■ 245.5440, 1.2840,  
-1.2440

■ 216.5440, 60.8960,  
-46.3680

■ 248.2000, -3.4390,  
1.7530

■ 212.5200, 69.4710,  
-53.0970

■ 249.3740, -3.9890,  
0.7070

■ 208.4960, 78.0460,  
-59.8260

■ 250.5480, -4.5390,  
-0.3390

■ 205.0420, 85.0160,  
-65.0000

■ 251.7220, -5.0890,  
-1.3850

■ 252.3090, -5.3640,  
-1.9080

# Harmonies

## Analogous

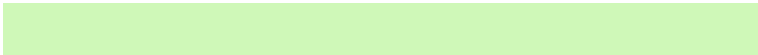
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228.8740, 34.9850, -11.7910



232.9990, 26.9630, -20.5970



228.4450, -3.8920, -28.5960

# Triad

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



232.9990, 26.9630, -20.5970



216.7500, -73.3540, -25.2420



230.3460, 11.5500, 21.9660

# Complementary

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



232.9990, 26.9630, -20.5970



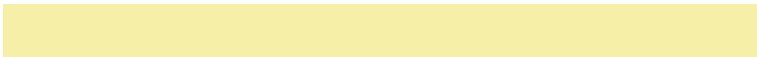
181.0010, -26.9630, 20.5970

# 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.



235.6290, 9.0750, 17.2590



232.9990, 26.9630, -20.5970



222.5080, -51.7610, -14.5850

# Square

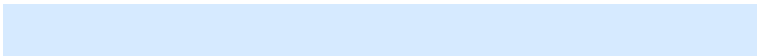
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



232.9990, 26.9630, -20.5970



218.6640, -70.2360, -26.6840



230.4140, -18.6610, 2.2910



225.4100, 22.6930, 12.7490

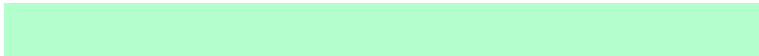


# Rectangle

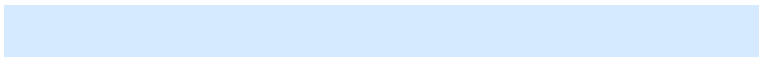
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



232.9990, 26.9630, -20.5970



225.5870, -27.7790, -30.7150



230.4140, -18.6610, 2.2910



231.5200, 11.0000, 20.9200

# Sweetspot

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



232.9990, 26.9630, -20.5970



250.9760, 8.5750, -6.7290



192.2340, 43.9200, 19.0240



125.0020, 5.6860, -3.9300



0.0000, 0.0000, 0.0000

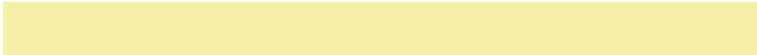


128.0000, -0.0000, -0.0000



# Same Dimension

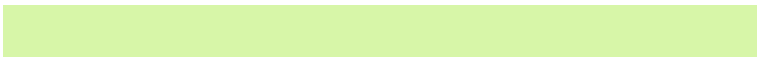
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232.9990, 26.9630, -20.5970



238.6590, 33.6120, -25.4600



227.8390, 6.5620, -30.8300



120.0450, 4.1270, -3.2090



154.8170, 64.3810, -48.9550



48.7520, 20.5890, -15.2110



# Inverse Universe

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



181.0010, -26.9630, 20.5970



174.3410, -33.6120, 25.4600



186.1610, -6.5620, 30.8300



111.9550, -4.1270, 3.2090



31.1830, -64.3810, 48.9550

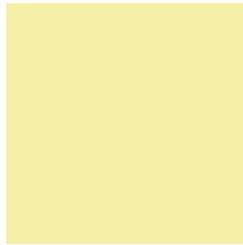


9.6610, -20.3140, 15.7340



# Previews

## White Background



This preview shows how the YIQ color 232.9990, 26.9630, -20.5970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

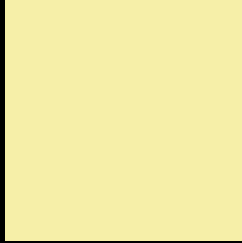
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 232.9990, 26.9630, -20.5970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

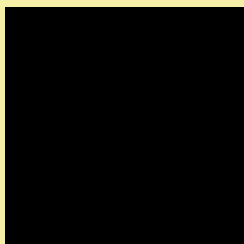
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

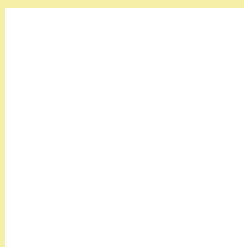
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 232.9990, 26.9630, -20.5970

## Background



This preview shows how black text looks on a background with the YIQ color 232.9990, 26.9630, -20.5970.



This preview shows how white text looks on a background with the YIQ color 232.9990, 26.9630, -20.5970.

-20.5970.

# 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

232.9990, 26.9630, -20.5970

### Protanopia

233.8150, 33.4730, -17.4310

### Deuteranopia

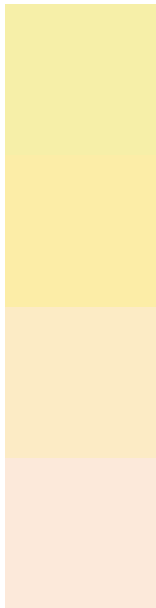
236.7110, 19.8070, -1.0330



## Tritanopia

238.8260, 9.7180, 11.1100

# Trichromacy



## Original Color

232.9990, 26.9630, -20.5970

## Protanomaly

233.5050, 31.4100, -18.5900

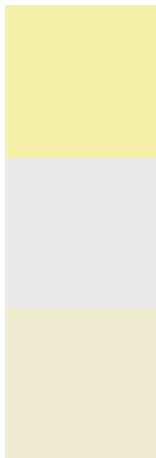
## Deuteranomaly

235.7510, 22.3300, -8.2140

## Tritanomaly

236.9710, 16.1390, -0.6370

# Monochromacy



## Original Color

232.9990, 26.9630, -20.5970

## Achromatopsia

233.0000, -0.0000, -0.0000

## Achromatomaly

232.9330, 10.1340, -7.4500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 232.9990, 26.9630, -20.5970 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(246, 239, 168)` looks like.

```
.text, #text, p{  
    color:rgb(246, 239, 168)  
}
```

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(246, 239, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 239, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 232.9990, 26.9630, -20.5970 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(246, 239, 168) }
```



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

```
.border{ border-color:rgb(246, 239, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 239, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 239, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 239, 168);  
box-shadow:4px 4px 4px 4px rgb(246, 239,  
168) }
```

# Background

The CSS property to change the background color of an element to YIQ 232.9990, 26.9630, -20.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 239, 168) }
```

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

```
.background{ background-color: rgb(246,  
239, 168) }
```

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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