

# Converting Colors

YIQ(214.9700, 25.9070,  
-12.4690)

Have a look what the booklet for  
YIQ(214.9700, 25.9070, -12.4690)  
contains.

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# Color

**YIQ(214.9700, 25.9070,  
-12.4690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D8A5
RGB	232, 216, 165
RGB Percent	91%, 85%, 65%
CMY	0.0902, 0.1529, 0.3528
CMYK	0.00, 0.07, 0.29, 0.09
HSL	46°, 59%, 78%
HSV	46°, 29%, 91%
XYZ	64.6282, 68.9822, 45.5233
YIQ	214.9700, 25.9070, -12.4690

# Conversions

## Conversions Part 2

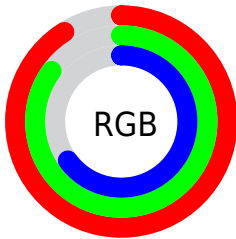
Format	Color
R <sub>YB</sub>	186, 232, 165
Decimal	15259813
CIE Lab	86.50, -2.12, 27.17
CIE LCh	86, 27.248, 94.453
Yxy	68.9822, 0.3608, 0.3851
Android (android.graphics.Color)	4293449893 (0xFFE8D8A5)
YUV	214.9700, -24.6352, 14.9353
Hunter-Lab	83.0555, -6.4506, 25.6417

# Details

The YIQ color  $214.9700, 25.9070, -12.4690$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $182.0300, -25.9070, 12.4690$ , and the grayscale version is  $215.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $251.0100, 11.2350, -10.8850$ , and  $160.0130, 24.3480, -11.7480$  is the 20% darker color. If you saturate the color by 10%, you get  $208.8260, 34.9400, -16.4840$ , and if you desaturate by 10%, it is  $221.1140, 16.8740, -8.4540$ .

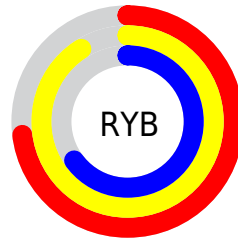
# Distribution



Red (91%)

Green (85%)

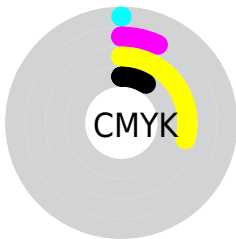
Blue (65%)



Red (73%)

Yellow (91%)

Blue (65%)

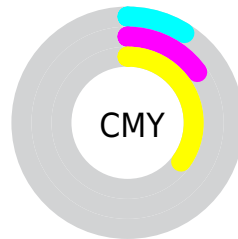


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 214.9700, 25.9070, -12.4690 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 214.9700, 25.9070, -12.4690 by changing the saturation by 10% instead.



■ 214.9700, 25.9070,  
-12.4690

■ 214.9700, 25.9070,  
-12.4690

255.0000, -0.0000,  
-0.0000

■ 186.8990, 24.6690,  
-12.0590

■ 251.0100, 11.2350,  
-10.8850

■ 160.0130, 24.3480,  
-11.7480

■ 254.3160, 1.9260,  
-1.8660

■ 133.5290, 22.8350,  
-11.8610

■ 108.3440, 21.9180,  
-11.7620

■ 83.8600, 20.4050,  
-11.8750

■ 60.6750, 19.4880,  
-11.7760

■ 38.7180, 17.9290,

-11.0550

■ 19.5030, 8.5290,  
-5.8950

■ 0.0000, 0.0000,  
0.0000

■ 214.9700, 25.9070,  
-12.4690

■ 214.9700, 25.9070,  
-12.4690

■ 208.8260, 34.9400,  
-16.4840

■ 221.1140, 16.8740,  
-8.4540

■ 203.2690, 43.6980,  
-21.0220

■ 226.6710, 8.1160,  
-3.9160

■ 197.0110, 53.0520,  
-25.3480

■ 232.9290, -1.2380,  
0.4100

■ 191.4540, 61.8100,  
-29.8860

■ 238.1440, -9.0330,  
4.0150

■ 185.3100, 70.8430,  
-33.9010

■ 241.6660,  
-10.6830, 0.8770

■ 179.7530, 79.6010,  
-38.4390

■ 244.6010,  
-12.0580, -1.7380

■ 173.6090, 88.6340,  
-42.4540

■ 248.1230,  
-13.7080, -4.8760

■ 173.2670, 89.5970,  
-43.3870

# Harmonies

## Analogous

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



217.2480, 40.1640, -1.0200



214.9700, 25.9070, -12.4690



212.2060, 4.4510, -20.1010

# Triad

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



214.9700, 25.9070, -12.4690



205.6970, -56.6670, -13.7790



220.8800, 18.7940, 22.8420

# Complementary

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



214.9700, 25.9070, -12.4690



182.0300, -25.9070, 12.4690

# Split Complementary

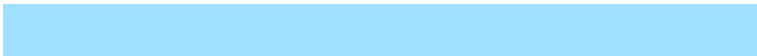
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



219.3270, -4.6340, 17.9100



214.9700, 25.9070, -12.4690



208.6860, -48.9660, -4.6620

# Square

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



214.9700, 25.9070, -12.4690



205.8260, -44.1490, -20.3810



213.5580, -27.6940, 6.3060



216.7530, 29.1570, 16.7490



# Rectangle

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



214.9700, 25.9070, -12.4690



210.0560, -12.7420, -22.3900



213.5580, -27.6940, 6.3060



220.5740, 10.9080, 22.5880

# Sweetspot

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



214.9700, 25.9070, -12.4690



249.4430, 8.7580, -4.5380



186.9710, 34.4750, 19.4910



123.9420, 5.9150, -2.5730



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

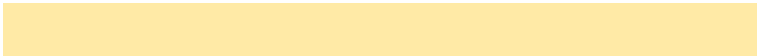


# Same Dimension

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



214.9700, 25.9070, -12.4690



232.5270, 34.3440, -16.6960



219.2790, 11.3750, -24.4410



111.8710, 4.6770, -2.1630



133.3530, 69.2840, -33.1800



38.1420, 19.6710, -9.5850



# Inverse Universe

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



182.0300, -25.9070, 12.4690



188.4730, -34.3440, 16.6960



177.7210, -11.3750, 24.4410



106.1290, -4.6770, 2.1630



45.6470, -69.2840, 33.1800

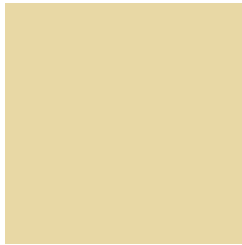


12.8580, -19.6710, 9.5850



# Previews

## White Background



This preview shows how the YIQ color 214.9700, 25.9070, -12.4690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

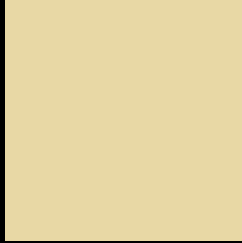
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 214.9700, 25.9070, -12.4690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

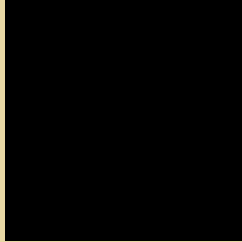
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 214.9700, 25.9070, -12.4690

## Background



This preview shows how black text looks on a background with the YIQ color 214.9700, 25.9070, -12.4690.



This preview shows how white text looks on a background with the YIQ color 214.9700, 25.9070,

-12.4690.

# 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

214.9700, 25.9070, -12.4690

### Protanopia

214.6710, 25.3110, -12.6810

### Deuteranopia

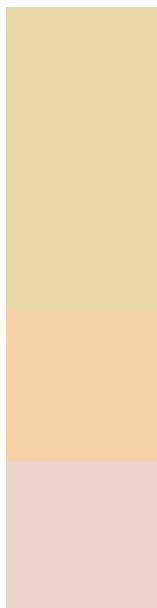
217.0800, 40.5770, -2.9990



## Tritanopia

219.0930, 13.3400, 11.5480

# Trichromacy



## Original Color

214.9700, 25.9070, -12.4690

## Protanomaly

214.6710, 25.3110, -12.6810

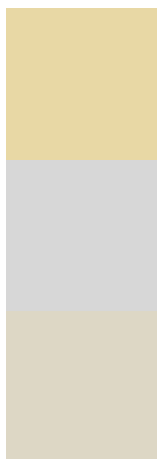
## Deuteranomaly

216.3350, 35.3050, -6.5750

## Tritanomaly

217.5630, 17.4680, 2.8120

# Monochromacy



## Original Color

214.9700, 25.9070, -12.4690

## Achromatopsia

215.0000, -0.0000, -0.0000

## Achromatomaly

214.7420, 9.3540, -4.3260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 214.9700, 25.9070, -12.4690 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(232, 216, 165)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 165)  
}
```

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(232, 216, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 165) }
```

## Border

The CSS property to change the border of an element to YIQ 214.9700, 25.9070, -12.4690 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(232, 216, 165) }
```



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

```
.border{ border-color:rgb(232, 216, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 216, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 216, 165); box-shadow:4px 4px 4px 4px rgb(232, 216, 165) }
```

# Background

The CSS property to change the background color of an element to YIQ 214.9700, 25.9070, -12.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 165) }
```

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

```
.background{ background-color: rgb(232,  
216, 165) }
```

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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