

# Converting Colors

YIQ(210.0810, 29.6680,  
-20.0600)

Have a look what the booklet for  
YIQ(210.0810, 29.6680, -20.0600)  
contains.

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# Color

**YIQ(210.0810, 29.6680,  
-20.0600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D78F
RGB	226, 215, 143
RGB Percent	89%, 84%, 56%
CMY	0.1137, 0.1569, 0.4390
CMYK	0.00, 0.05, 0.37, 0.11
HSL	52°, 59%, 72%
HSV	52°, 37%, 89%
XYZ	60.6230, 66.7509, 35.6932
YIQ	210.0810, 29.6680, -20.0600

# Conversions

## Conversions Part 2

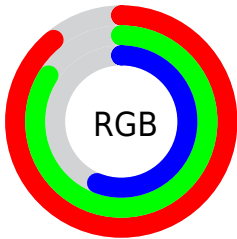
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 226, 143
Decimal	14866319
CIE <sub>Lab</sub>	85.38, -6.58, 36.89
CIE <sub>LCh</sub>	85, 37.469, 100.109
Yxy	66.7509, 0.3718, 0.4093
Android (android.graphics.Color)	4293056399 (0xFFE2D78F)
YUV	210.0810, -33.0709, 13.9610
Hunter-Lab	81.7012, -10.5286, 31.2886

# Details

The YIQ color  $210.0810, 29.6680, -20.0600$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $158.9190, -29.6680, 20.0600$ , and the grayscale version is  $210.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $248.3880, 18.6180, -18.0380$ , and  $154.9390, 27.1920, -19.2400$  is the 20% darker color. If you saturate the color by 10%, you get  $205.6980, 37.8760, -25.6440$ , and if you desaturate by 10%, it is  $214.4640, 21.4600, -14.4760$ .

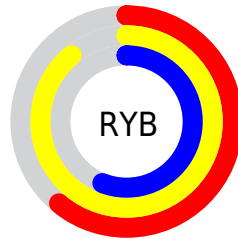
# Distribution



Red (89%)

Green (84%)

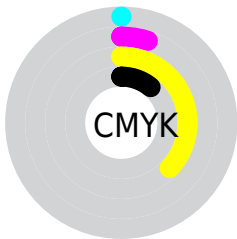
Blue (56%)



Red (61%)

Yellow (89%)

Blue (56%)

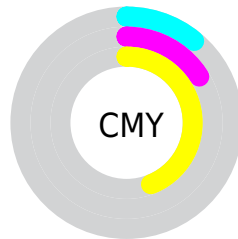


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 210.0810, 29.6680, -20.0600 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 210.0810, 29.6680, -20.0600 by changing the saturation by 10% instead.



■ 210.0810, 29.6680,  
-20.0600

■ 210.0810, 29.6680,  
-20.0600

255.0000, -0.0000,  
-0.0000

■ 182.0100, 28.4300,  
-19.6500

■ 248.5020, 18.2970,  
-17.7270

■ 154.9390, 27.1920,  
-19.2400

■ 251.6940, 9.3090,  
-9.0190

■ 128.7540, 26.2750,  
-19.1410

■ 103.5690, 25.3580,  
-19.0420

■ 78.9710, 24.1660,  
-19.4660

■ 55.8290, 21.6900,  
-18.6460

■ 35.7390, 13.4360,

-12.2280

■ 15.6270, 2.2480,  
-7.7040

■ 0.0000, 0.0000,  
0.0000

■ 210.0810, 29.6680,  
-20.0600

■ 210.0810, 29.6680,  
-20.0600

■ 205.6980, 37.8760,  
-25.6440

■ 214.4640, 21.4600,  
-14.4760

■ 201.4290, 45.7630,  
-30.9170

■ 218.7330, 13.5730,  
-9.2030

■ 197.0460, 53.9710,  
-36.5010

■ 223.1160, 5.3650,  
-3.6190

■ 192.7770, 61.8580,  
-41.7740

■ 227.3850, -2.5220,  
1.6540

■ 188.3940, 70.0660,  
-47.3580

■ 231.6540,  
-10.4090, 6.9270

■ 184.0110, 78.2740,  
-52.9420

■ 233.4150,  
-11.2340, 5.3580

■ 182.6260, 80.7960,  
-54.5960

■ 235.1760,  
-12.0590, 3.7890

■ 236.9370,  
-12.8840, 2.2200

■ 238.6980,  
-13.7090, 0.6510

# Harmonies

## Analogous

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



212.1640, 48.9680, -6.3920



210.0810, 29.6680, -20.0600



206.0000, -1.1410, -28.8930

# Triad

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



210.0810, 29.6680, -20.0600



192.7840, -87.8890, -20.6330



214.9070, 23.3320, 28.7080

# Complementary

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



210.0810, 29.6680, -20.0600



158.9190, -29.6680, 20.0600

# 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.



216.1370, 2.0130, 24.1010



210.0810, 29.6680, -20.0600



199.7270, -65.3790, -10.0750

# Square

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



210.0810, 29.6680, -20.0600



194.4140, -72.5280, -29.2000



209.1170, -30.7660, 6.9140



209.0420, 35.7130, 19.0810



# Rectangle

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



210.0810, 29.6680, -20.0600



202.1420, -25.0280, -31.0120



209.1170, -30.7660, 6.9140



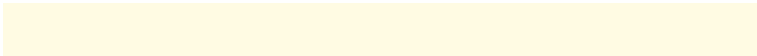
217.9220, 18.9760, 30.5600

# Sweetspot

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



210.0810, 29.6680, -20.0600



249.4600, 10.0880, -6.6160



169.0710, 45.9370, 21.0170



124.3010, 6.2820, -3.7180



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.



210.0810, 29.6680, -20.0600



233.4270, 40.0770, -26.9870



207.5680, 8.7630, -32.1730



110.1590, 3.8060, -2.8980



142.4350, 62.8210, -42.7070



39.0060, 17.0580, -11.7900



# Inverse Universe

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



158.9190, -29.6680, 20.0600



164.5730, -40.0770, 26.9870



161.4320, -8.7630, 32.1730



102.8410, -3.8060, 2.8980



33.5650, -62.8210, 42.7070



8.9940, -17.0580, 11.7900



# Previews

## White Background



This preview shows how the YIQ color 210.0810, 29.6680, -20.0600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

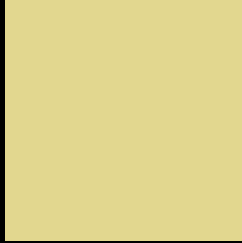
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 210.0810, 29.6680, -20.0600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

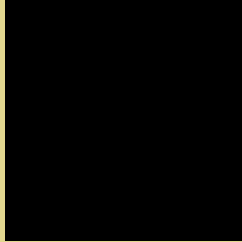
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

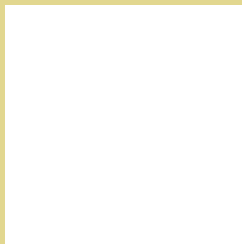
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 210.0810, 29.6680, -20.0600

## Background



This preview shows how black text looks on a background with the YIQ color 210.0810, 29.6680, -20.0600.



This preview shows how white text looks on a background with the YIQ color 210.0810, 29.6680,

-20.0600.

# 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

210.0810, 29.6680, -20.0600

### Protanopia

210.2880, 33.5190, -18.2650

### Deuteranopia

212.5230, 49.3350, -7.5370



## Tritanopia

215.7940, 12.7440, 11.3360

# Trichromacy



## Original Color

210.0810, 29.6680, -20.0600

## Protanomaly

210.2770, 32.0520, -19.2120

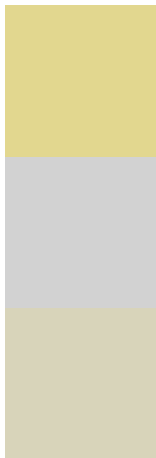
## Deuteranomaly

211.4680, 42.0000, -12.2720

## Tritanomaly

214.0530, 18.8440, -0.1000

# Monochromacy



## Original Color

210.0810, 29.6680, -20.0600

## Achromatopsia

210.0000, 0.0000, 0.0000

## Achromatomaly

210.2320, 10.7300, -7.2380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 210.0810, 29.6680, -20.0600 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(226, 215, 143)` looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 143)  
}
```

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(226, 215, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 143) }
```

## Border

The CSS property to change the border of an element to YIQ 210.0810, 29.6680, -20.0600 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(226, 215, 143) }
```



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

```
.border{ border-color:rgb(226, 215, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 215, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 215, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 215, 143);  
box-shadow:4px 4px 4px 4px rgb(226, 215,  
143) }
```

# Background

The CSS property to change the background color of an element to YIQ 210.0810, 29.6680, -20.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 215, 143) }
```

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

```
.background{ background-color: rgb(226,  
215, 143) }
```

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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