

# Converting Colors

YIQ(213.7240, 25.8190,  
-32.9090)

Have a look what the booklet for  
YIQ(213.7240, 25.8190, -32.9090)  
contains.

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# Color

**YIQ(213.7240, 25.8190,  
-32.9090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE481
RGB	218, 228, 129
RGB Percent	85%, 89%, 51%
CMY	0.1452, 0.1058, 0.4939
CMYK	0.04, 0.00, 0.43, 0.11
HSL	66°, 65%, 70%
HSV	66°, 43%, 89%
XYZ	60.6169, 71.9772, 31.4829
YIQ	213.7240, 25.8190, -32.9090

# Conversions

## Conversions Part 2

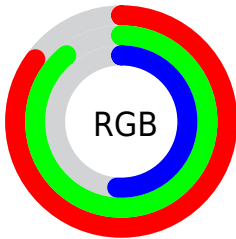
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 228, 139
Decimal	14345345
CIELab	87.96, -17.71, 46.99
CIELCh	88, 50.212, 110.653
Yxy	71.9772, 0.3694, 0.4387
Android (android.graphics.Color)	4292535425 (0xFFDAE481)
YUV	213.7240, -41.7689, 3.7501
Hunter-Lab	84.8394, -20.9325, 37.3857

# Details

The YIQ color  $213.7240, 25.8190, -32.9090$  is a light color, and the websafe version is hex  $CCCC66$ . A complement of this color would be  $143.2760, -25.8190, 32.9090$ , and the grayscale version is  $214.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.7920, 23.1120, -22.3920$ , and  $158.4680, 23.6640, -32.4000$  is the 20% darker color. If you saturate the color by 10%, you get  $210.5040, 32.0100, -40.4860$ , and if you desaturate by 10%, it is  $216.9440, 19.6280, -25.3320$ .

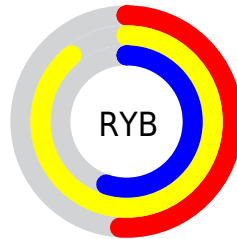
# Distribution



Red (85%)

Green (89%)

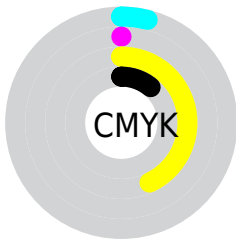
Blue (51%)



Red (51%)

Yellow (89%)

Blue (55%)

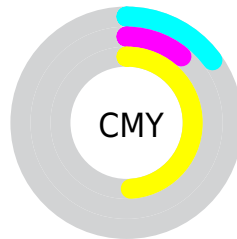


Cyan (4%)

Magenta (0%)

Yellow (43%)

Black (11%)



Cyan (15%)

Magenta (11%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.7240, 25.8190, -32.9090 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 213.7240, 25.8190, -32.9090 by changing the saturation by 10% instead.



213.7240, 25.8190,  
-32.9090

213.7240, 25.8190,  
-32.9090

255.0000, -0.0000,  
-0.0000

185.6530, 24.5810,  
-32.4990

246.7920, 23.1120,  
-22.3920

158.4680, 23.6640,  
-32.4000

250.0980, 13.8030,  
-13.3730

131.6960, 23.0220,  
-31.7780

253.2900, 4.8150,  
-4.6650

105.2830, 22.7470,  
-32.3010

80.5710, 21.8760,  
-33.0360

59.3070, 14.1720,  
-25.5720

38.6190, 4.7260,

-19.5780

■ 17.0230, -7.9750,  
-15.1670

■ 0.0000, 0.0000,  
0.0000

■ 213.7240, 25.8190,  
-32.9090

■ 213.7240, 25.8190,  
-32.9090

■ 210.5040, 32.0100,  
-40.4860

■ 216.9440, 19.6280,  
-25.3320

■ 206.9850, 37.6050,  
-48.2750


■ 220.4630, 14.0330,  
-17.5430

■ 203.8790, 43.4750,  
-55.5410


■ 223.5690, 8.1630,  
-10.2770

■ 200.6590, 49.6660,  
-63.1180

■ 226.7890, 1.9720,  
-2.7000

 197.1400, 55.2610,  
-70.9070

 230.3080, -3.6230,  
5.0890

 195.1310, 59.4800,  
-75.7840

 232.2740, -6.2830,  
9.2450

 232.8720, -5.0910,  
9.6690

 233.4700, -3.8990,  
10.0930

 234.3670, -2.1110,  
10.7290

# Harmonies

## Analogous

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



215.6400, 52.9590, -18.1530



213.7240, 25.8190, -32.9090



207.0420, -19.2950, -41.3030

# Triad

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



213.7240, 25.8190, -32.9090



170.5370, -148.1300, -46.7380



211.3850, 24.9820, 31.8460

# Complementary

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



213.7240, 25.8190, -32.9090



143.2760, -25.8190, 32.9090

# 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.



220.3670, 16.2250, 30.8570



213.7240, 25.8190, -32.9090



199.0630, -75.3730, -16.1810

# Square

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



213.7240, 25.8190, -32.9090



173.2440, -148.8630, -49.9750



215.3850, -19.7170, 10.4190



205.7990, 40.7110, 16.6070



# Rectangle

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



213.7240, 25.8190, -32.9090



199.8390, -55.3320, -43.4920



215.3850, -19.7170, 10.4190



214.8560, 19.3420, 34.9420

# Sweetspot

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



213.7240, 25.8190, -32.9090



250.3410, 8.8050, -10.8990



164.4710, 56.2540, 15.7580



124.7090, 4.9530, -7.1670



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.



213.7240, 25.8190, -32.9090



235.9510, 34.9450, -44.1190



199.0730, -3.3850, -43.2970



113.3330, 3.2560, -3.9440



152.9130, 46.1350, -59.6970



43.6910, 13.3910, -16.9210



# Inverse Universe

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



143.2760, -25.8190, 32.9090



141.3480, -34.3490, 44.3310



157.9270, 3.3850, 43.2970



104.6670, -3.2560, 3.9440



25.7880, -46.7310, 59.4850



7.3090, -13.3910, 16.9210



# Previews

## White Background



This preview shows how the YIQ color 213.7240, 25.8190, -32.9090 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 213.7240, 25.8190, -32.9090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

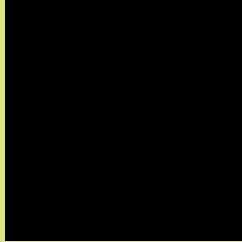
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 213.7240, 25.8190, -32.9090

## Background



This preview shows how black text looks on a background with the YIQ color 213.7240, 25.8190, -32.9090.



This preview shows how white text looks on a background with the YIQ color 213.7240, 25.8190,

-32.9090.

# 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

213.7240, 25.8190, -32.9090

### Protanopia

215.8620, 43.2860, -24.5700

### Deuteranopia

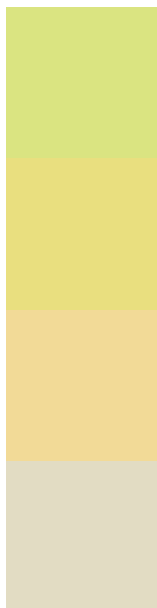
219.8580, 41.0820, -6.6460



## Tritanopia

222.1240, 2.8870, 8.2550

# Trichromacy



## Original Color

213.7240, 25.8190, -32.9090

## Protanomaly

215.0460, 36.7760, -27.7360

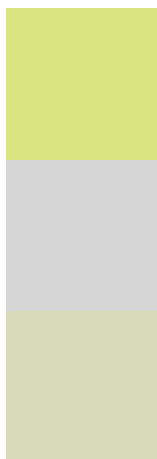
## Deuteranomaly

217.5380, 35.8110, -15.7490

## Tritanomaly

218.9440, 11.6010, -6.5030

# Monochromacy



## Original Color

213.7240, 25.8190, -32.9090

## Achromatopsia

214.0000, -0.0000, 0.0000

## Achromatomaly

213.7000, 9.1720, -12.0440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.7240, 25.8190, -32.9090 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(218, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 129)  
}
```

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(218, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 129) }
```

## Border

The CSS property to change the border of an element to YIQ 213.7240, 25.8190, -32.9090 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(218, 228, 129) }
```



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

```
.border{ border-color:rgb(218, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
129) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.7240, 25.8190, -32.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 129) }
```

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

```
.background{ background-color: rgb(218,  
228, 129) }
```

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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