

# Converting Colors

YIQ(212.3270, 28.6150,  
-28.5130)

Have a look what the booklet for  
YIQ(212.3270, 28.6150, -28.5130)  
contains.

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# Color

**YIQ(212.3270, 28.6150,  
-28.5130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDF84
RGB	222, 223, 132
RGB Percent	87%, 87%, 52%
CMY	0.1295, 0.1255, 0.4822
CMYK	0.00, 0.00, 0.41, 0.13
HSL	61°, 59%, 70%
HSV	61°, 41%, 87%
XYZ	60.6754, 69.9699, 32.1542
YIQ	212.3270, 28.6150, -28.5130

# Conversions

## Conversions Part 2

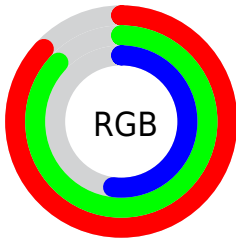
Format	Color
<a href="#">RYB</a>	<a href="#">132, 223, 133</a>
Decimal	<a href="#">14606212</a>
CIELab	<a href="#">86.98, -13.37, 44.37</a>
CIELCh	<a href="#">87, 46.340, 106.765</a>
Yxy	<a href="#">69.9699, 0.3727, 0.4298</a>
Android (android.graphics.Color)	<a href="#">4292796292</a> ( <a href="#">0xFFDEDF84</a> )
YUV	<a href="#">212.3270, -39.6012, 8.4832</a>
Hunter-Lab	<a href="#">83.6480, -16.9063, 35.7626</a>

# Details

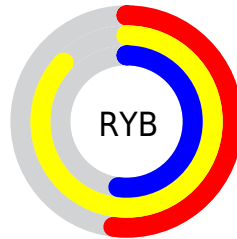
The YIQ color  $212.3270, 28.6150, -28.5130$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $142.6730, -28.6150, 28.5130$ , and the grayscale version is  $213.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.1340, 22.1490, -21.4590$ , and  $157.0710, 26.4600, -28.0040$  is the 20% darker color. If you saturate the color by 10%, you get  $209.8190, 35.6770, -35.3550$ , and if you desaturate by 10%, it is  $214.8350, 21.5530, -21.6710$ .

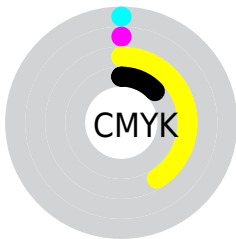
# Distribution



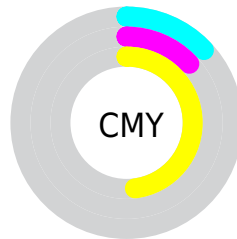
- Red (87%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (52%)



- Cyan (0%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.3270, 28.6150, -28.5130 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 212.3270, 28.6150, -28.5130 by changing the saturation by 10% instead.



212.3270, 28.6150,  
-28.5130

212.3270, 28.6150,  
-28.5130

255.0000, -0.0000,  
-0.0000

184.2560, 27.3770,  
-28.1030

247.1340, 22.1490,  
-21.4590

157.0710, 26.4600,  
-28.0040

250.4400, 12.8400,  
-12.4400

130.8860, 25.5430,  
-27.9050

253.6320, 3.8520,  
-3.7320

104.7010, 24.6260,  
-27.8060

79.4190, 25.3600,  
-30.0960

58.1550, 17.6560,  
-22.6320

37.7660, 8.8060,

-16.4260

■ 16.4580, -4.7660,  
-12.7500

■ 0.0000, 0.0000,  
0.0000

■ 212.3270, 28.6150,  
-28.5130

■ 212.3270, 28.6150,  
-28.5130

■ 209.8190, 35.6770,  
-35.3550

■ 214.8350, 21.5530,  
-21.6710

■ 206.8980, 42.4640,  
-42.7200

■ 217.4570, 14.1700,  
-14.5180

■ 204.3900, 49.5260,  
-49.5620


■ 220.2640, 7.7040,  
-7.4640

■ 201.8820, 56.5880,  
-56.4040

■ 222.7720, 0.6420,  
-0.6220

 199.3740, 63.6500,  
-63.2460

 225.3940, -6.7410,  
6.5310

 196.9800, 70.3910,  
-69.7770

 226.6480,  
-10.2720, 9.9520

 226.9470, -9.6760,  
10.1640

# Harmonies

## Analogous

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



213.3890, 52.4080, -13.6720



212.3270, 28.6150, -28.5130



206.5700, -11.9140, -37.4020

# Triad

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



212.3270, 28.6150, -28.5130



175.3650, -132.7260, -39.5580



212.6730, 24.1110, 31.1110

# Complementary

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



212.3270, 28.6150, -28.5130



142.6730, -28.6150, 28.5130

# 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.



220.6550, 15.3540, 30.1220



212.3270, 28.6150, -28.5130



198.1880, -74.2270, -14.9230

# Square

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



212.3270, 28.6150, -28.5130



181.6130, -118.9250, -41.8770



212.6940, -25.0810, 8.5110



206.4830, 38.7850, 18.4730



# Rectangle

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



212.3270, 28.6150, -28.5130



201.4060, -43.6870, -39.7750



212.6940, -25.0810, 8.5110



216.0300, 18.7920, 33.8960

# Sweetspot

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



212.3270, 28.6150, -28.5130



251.4660, 9.9510, -9.6410



159.2090, 54.2360, 19.2920



125.6490, 5.1820, -5.8100



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.



212.3270, 28.6150, -28.5130



240.4510, 39.5290, -39.0870



199.1710, 2.3910, -37.8410



110.7460, 3.5310, -3.4210



155.3380, 55.3040, -55.1600



42.5280, 15.4080, -14.9280



# Inverse Universe

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



142.6730, -28.6150, 28.5130



144.5490, -39.5290, 39.0870



156.1280, -1.7950, 38.0530



102.2540, -3.5310, 3.4210



20.6620, -55.3040, 55.1600

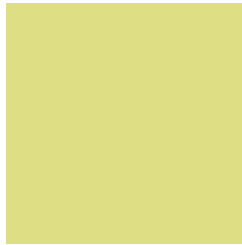


5.7710, -14.8120, 15.1400



# Previews

## White Background



This preview shows how the YIQ color 212.3270, 28.6150, -28.5130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

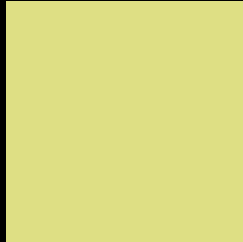
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 212.3270, 28.6150, -28.5130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

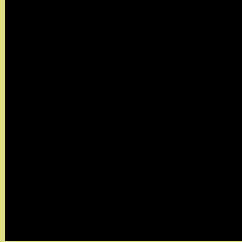
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 212.3270, 28.6150, -28.5130

## Background



This preview shows how black text looks on a background with the YIQ color 212.3270, 28.6150, -28.5130.



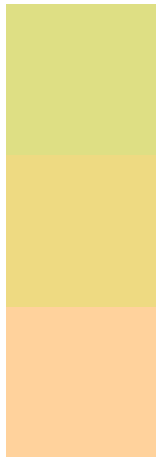
This preview shows how white text looks on a background with the YIQ color 212.3270, 28.6150,

-28.5130.

# 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

212.3270, 28.6150, -28.5130

### Protanopia

213.9480, 40.1680, -23.1280

### Deuteranopia

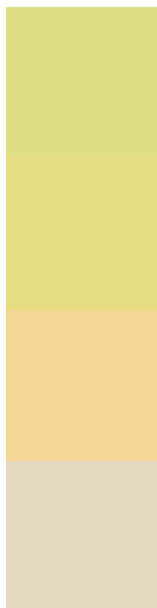
217.2990, 44.1540, -7.2540



## Tritanopia

220.1030, 7.3800, 9.4280

# Trichromacy



## Original Color

212.3270, 28.6150, -28.5130

## Protanomaly

213.4420, 35.7210, -25.1350

## Deuteranomaly

215.6200, 38.5160, -15.2120

## Tritanomaly

217.2650, 15.1310, -4.3970

# Monochromacy



## Original Color

212.3270, 28.6150, -28.5130

## Achromatopsia

212.0000, -0.0000, -0.0000

## Achromatomaly

212.2380, 10.5930, -10.2630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.3270, 28.6150, -28.5130 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(222, 223, 132)` looks like.

```
.text, #text, p{  
    color:rgb(222, 223, 132)  
}
```

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(222, 223, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 223, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 212.3270, 28.6150, -28.5130 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(222, 223, 132) }
```



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

```
.border{ border-color:rgb(222, 223, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 223, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 223, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 223, 132);  
box-shadow:4px 4px 4px 4px rgb(222, 223,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.3270, 28.6150, -28.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 223, 132) }
```

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

```
.background{ background-color: rgb(222,  
223, 132) }
```

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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