

# Converting Colors

YIQ(202.8280, 64.7070,  
-76.9010)

Have a look what the booklet for  
YIQ(202.8280, 64.7070, -76.9010)  
contains.

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# **Color**

**YIQ(202.8280, 64.7070,  
-76.9010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9EB00
RGB	217, 235, 0
RGB Percent	85%, 92%, 0%
CMY	0.1492, 0.0784, 0.9994
CMYK	0.08, 0.00, 1.00, 0.08
HSL	65°, 100%, 46%
HSV	65°, 100%, 92%
XYZ	58.3119, 74.1652, 11.2452
YIQ	202.8280, 64.7070, -76.9010

# Conversions

## Conversions Part 2

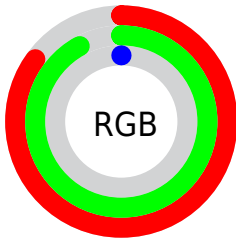
Format	Color
<a href="#">RYB</a>	<a href="#">0, 235, 18</a>
Decimal	<a href="#">14281472</a>
CIELab	<a href="#">89.00, -27.73, 87.20</a>
CIElCh	<a href="#">89, 91.504, 107.642</a>
Yxy	<a href="#">74.1652, 0.4057, 0.5160</a>
Android (android.graphics.Color)	<a href="#">4292471552 (0xFFD9EB00)</a>
YUV	<a href="#">202.8280, -99.9942, 12.4288</a>
Hunter-Lab	<a href="#">86.1192, -29.8452, 52.5416</a>

# Details

The YIQ color **202.8280, 64.7070, -76.9010** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **32.1720, -64.7070, 76.9010**, and the grayscale version is **204.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **236.3040, 52.6440, -51.0040**, and **152.0160, 44.3470, -60.3330** is the 20% darker color. If you saturate the color by 10%, you get **202.8280, 64.7070, -76.9010**, and if you desaturate by 10%, it is **206.1620, 58.1950, -69.0130**.

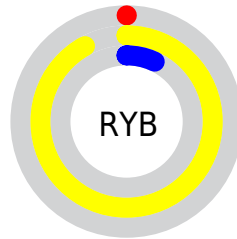
# Distribution



Red (85%)

Green (92%)

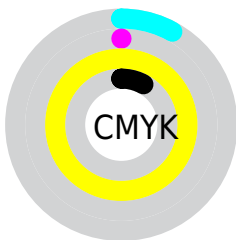
Blue (0%)



Red (0%)

Yellow (92%)

Blue (7%)

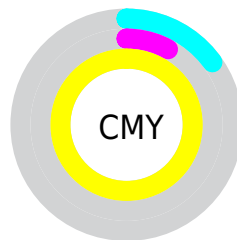


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (15%)

Magenta (8%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 202.8280, 64.7070, -76.9010 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 202.8280, 64.7070, -76.9010 by changing the saturation by 10% instead.





 202.8280, 64.7070,  
-76.9010


 202.8280, 64.7070,  
-76.9010


255.0000, -0.0000,  
-0.0000


 177.4220, 54.5270,  
-68.6170


 236.3040, 52.6440,  
-51.0040

 152.0160, 44.3470,  
-60.3330


 239.8380, 42.6930,  
-41.3630


 128.0830, 34.2130,  
-52.8830

 243.2580, 33.0630,  
-32.0330

 104.1500, 24.0790,  
-45.4330

 246.5640, 23.7540,  
-23.0140

 81.1030, 14.2660,  
-38.2940

 249.9840, 14.1240,  
-13.6840

 58.3440, 3.5820,  
-31.8900

 253.4040, 4.4940,

 35.8730, -7.9730,

-4.3540

-26.2210

■ 19.9580, -9.3500,  
-17.7820

■ 0.0000, 0.0000,  
0.0000

■ 202.8280, 64.7070,  
-76.9010

■ 206.1620, 58.1950,  
-69.0130

■ 209.3820, 52.0040,  
-61.4360

■ 212.4170, 44.8960,  
-53.7600

■ 215.6370, 38.7050,  
-46.1830

■ 218.9710, 32.1930,  
-38.2950

■ 222.1910, 26.0020,  
-30.7180

■ 225.5250, 19.4900,  
-22.8300

■ 228.4460, 12.7030,  
-15.4650

■ 231.7800, 6.1910,  
-7.5770

# Harmonies

## Analogous

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



198.6490, 91.1570, -49.6350



202.8280, 64.7070, -76.9010



191.7470, -36.0230, -79.5670

# Triad

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



202.8280, 64.7070, -76.9010



178.7550, -151.9800, -54.0600



187.4950, 31.6250, 60.1450

# Complementary

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



202.8280, 64.7070, -76.9010



32.1720, -64.7070, 76.9010

# 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.



208.6270, 21.7250, 41.3170



202.8280, 64.7070, -76.9010



172.2980, -148.9550, -48.3070

# Square

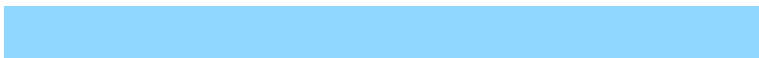
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



202.8280, 64.7070, -76.9010



178.7550, -151.9800, -54.0600



198.9180, -55.4310, -3.1350



177.3150, 57.5340, 36.6220



# Rectangle

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



202.8280, 64.7070, -76.9010



167.1270, -119.2380, -85.7820



198.9180, -55.4310, -3.1350



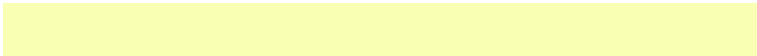
193.3650, 28.8750, 54.9150

# Sweetspot

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



202.8280, 64.7070, -76.9010



244.5420, 20.8200, -24.9080



79.6570, 135.6600, 41.4520



121.5600, 12.3820, -15.1540



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.



202.8280, 64.7070, -76.9010



219.9500, 69.9350, -83.5450



168.4430, -3.8330, -101.2810



115.4470, 2.9350, -3.6330



156.1800, 49.7570, -59.2590



46.3490, 14.3540, -17.8540



# Inverse Universe

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



32.1720, -64.7070, 76.9010



35.0500, -69.9350, 83.5450



66.5570, 3.8330, 101.2810



107.2540, -3.5310, 3.4210



24.8200, -49.7570, 59.2590

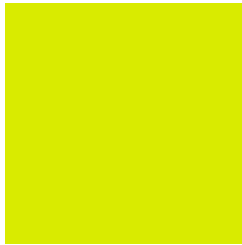


7.3520, -14.9500, 17.6420



# Previews

## White Background



This preview shows how the YIQ color 202.8280, 64.7070, -76.9010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

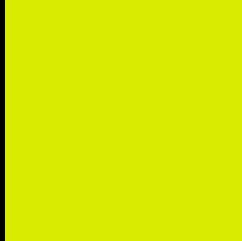
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 202.8280, 64.7070, -76.9010 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 202.8280, 64.7070, -76.9010

## Background



This preview shows how black text looks on a background with the YIQ color 202.8280, 64.7070, -76.9010.



This preview shows how white text looks on a background with the YIQ color 202.8280, 64.7070, -76.9010.

-76.9010.

# 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

202.8280, 64.7070, -76.9010

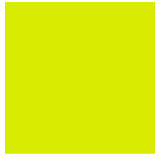
### Deuteranopia

222.2060, 39.9820, -8.7380

### Tritanopia

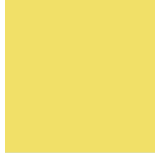
224.8360, 3.7580, 8.9900

# Trichromacy



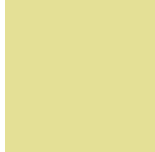
## Original Color

202.8280, 64.7070, -76.9010



## Deuteranomaly

215.4030, 48.6520, -33.7160



## Tritanomaly

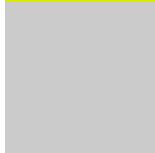
216.7600, 26.1380, -22.1660

# Monochromacy



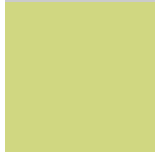
## Original Color

202.8280, 64.7070, -76.9010



## Achromatopsia

203.0000, 0.0000, -0.0000



## Achromatomaly

203.1030, 23.4340, -28.2300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 202.8280, 64.7070, -76.9010 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(217, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 0)  
}
```

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(217, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 202.8280, 64.7070, -76.9010 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(217, 235, 0) }
```

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

```
.border{ border-color:rgb(217, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
0) }
```



# Background

The CSS property to change the background color of an element to YIQ 202.8280, 64.7070, -76.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 0) }
```

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

```
.background{ background-color: rgb(217,  
235, 0) }
```

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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