

# Converting Colors

YIQ(231.2100, 23.8500,  
-46.7900)

Have a look what the booklet for  
YIQ(231.2100, 23.8500, -46.7900)  
contains.

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# Color

**YIQ(231.2100, 23.8500,  
-46.7900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FF7D
RGB	225, 255, 125
RGB Percent	88%, 100%, 49%
CMY	0.1178, 0.0000, 0.5096
CMYK	0.12, 0.00, 0.51, 0.00
HSL	74°, 100%, 75%
HSV	74°, 51%, 100%
XYZ	70.5041, 89.0033, 32.8821
YIQ	231.2100, 23.8500, -46.7900

# Conversions

## Conversions Part 2

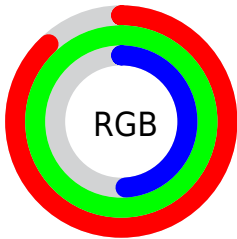
Format	Color
<a href="#">RYB</a>	<a href="#">125, 255, 155</a>
Decimal	<a href="#">14811005</a>
CIELab	<a href="#">95.58, -28.34, 58.20</a>
CIElCh	<a href="#">96, 64.734, 115.965</a>
Yxy	<a href="#">89.0033, 0.3665, 0.4626</a>
Android (android.graphics.Color)	<a href="#">4293001085 (0xFFE1FF7D)</a>
YUV	<a href="#">231.2100, -52.3615, -5.4462</a>
Hunter-Lab	<a href="#">94.3415, -31.6996, 45.3739</a>

# Details

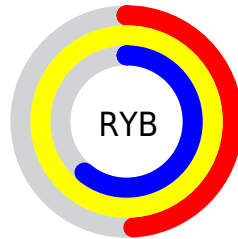
The YIQ color  $231.2100, 23.8500, -46.7900$  is a light color, and the websafe version is hex  $CCFF66$ . A complement of this color would be  $148.7900, -23.8500, 46.7900$ , and the grayscale version is  $232.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.4500, 24.0750, -23.3250$ , and  $174.2530, 22.2910, -46.0690$  is the 20% darker color. If you saturate the color by 10%, you get  $226.5660, 28.2990, -55.8370$ , and if you desaturate by 10%, it is  $235.9680, 19.0800, -37.4320$ .

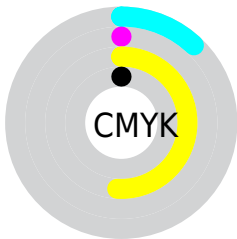
# Distribution



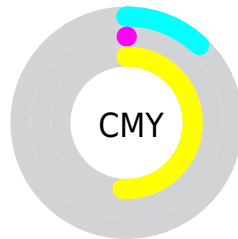
- Red (88%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (61%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 231.2100, 23.8500, -46.7900 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 231.2100, 23.8500, -46.7900 by changing the saturation by 10% instead.



231.2100, 23.8500,  
-46.7900

231.2100, 23.8500,  
-46.7900

255.0000, -0.0000,  
-0.0000

202.4380, 23.2080,  
-46.1680

246.4500, 24.0750,  
-23.3250

174.2530, 22.2910,  
-46.0690

249.7560, 14.7660,  
-14.3060

146.8400, 22.0160,  
-46.5920

253.0620, 5.4570,  
-5.2870

118.4720, 25.8680,  
-50.3240

95.2680, 17.9350,  
-44.2170

72.8190, 9.3140,  
-36.6540

50.3590, -0.7740,

-30.0380

■ 27.5890, -12.9250,  
-24.5810

■ 16.4360, -7.7000,  
-14.6440

■ 231.2100, 23.8500,  
-46.7900

■ 231.2100, 23.8500,  
-46.7900

■ 226.5660, 28.2990,  
-55.8370

■ 235.9680, 19.0800,  
-37.4320

■ 221.8080, 33.0690,  
-65.1950

■ 240.6120, 14.6310,  
-28.3850

■ 217.1640, 37.5180,  
-74.2420

■ 245.3700, 9.8610,  
-19.0270

■ 212.4060, 42.2880,  
-83.6000

■ 250.0140, 5.4120,  
-9.9800

■ 208.2890, 46.6910,  
-91.8130

254.4730, 0.0460,  
-0.8340

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

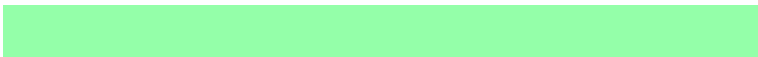
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227.7730, 50.4860, -33.9140



231.2100, 23.8500, -46.7900



213.2030, -36.1660, -49.4300

# Triad

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



231.2100, 23.8500, -46.7900



178.7550, -151.9800, -54.0600



216.6170, 18.5170, 33.3730

# Complementary

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



231.2100, 23.8500, -46.7900



148.7900, -23.8500, 46.7900

# 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.



225.6500, 13.7500, 26.1500



231.2100, 23.8500, -46.7900



208.1010, -87.7040, -29.4960

# Square

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



231.2100, 23.8500, -46.7900



178.7550, -151.9800, -54.0600



233.4590, -5.3660, 9.1460



211.8970, 37.3190, 11.9990



# Rectangle

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



231.2100, 23.8500, -46.7900



194.2560, -96.4110, -53.4270



233.4590, -5.3660, 9.1460



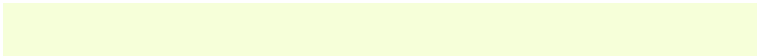
218.6060, 17.0500, 32.4260

# Sweetspot

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



231.2100, 23.8500, -46.7900



247.9770, 6.8340, -13.7260



180.3060, 69.7800, 12.9160



123.5840, 3.8070, -8.4250



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.



231.2100, 23.8500, -46.7900



226.4520, 28.6200, -56.1480



212.3730, -13.6980, -60.1460



125.6210, 2.3850, -4.6790



156.0700, 35.0870, -68.7290



52.2190, 11.6040, -23.0840



# Inverse Universe

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



148.7900, -23.8500, 46.7900



127.5480, -28.6200, 56.1480



167.6270, 13.6980, 60.1460



117.3790, -2.3850, 4.6790



34.9300, -35.0870, 68.7290

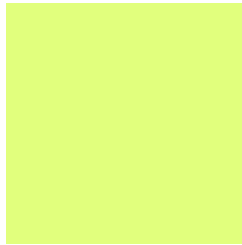


11.7810, -11.6040, 23.0840



# Previews

## White Background



This preview shows how the YIQ color 231.2100, 23.8500, -46.7900 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 231.2100, 23.8500, -46.7900 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 231.2100, 23.8500, -46.7900

## Background



This preview shows how black text looks on a background with the YIQ color 231.2100, 23.8500, -46.7900.



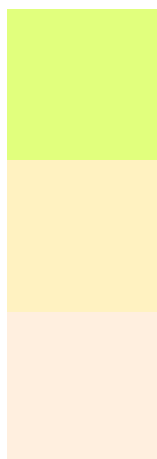
This preview shows how white text looks on a background with the YIQ color 231.2100, 23.8500, -46.7900.

-46.7900.

# 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

231.2100, 23.8500, -46.7900

### Protanopia

240.3010, 23.4770, -12.4830

### Deuteranopia

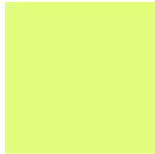
241.9600, 14.6720, -1.5840



## Tritanopia

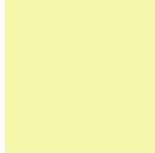
242.5960, -4.4940, 4.3540

# Trichromacy



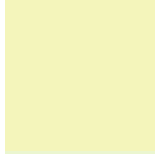
## Original Color

231.2100, 23.8500, -46.7900



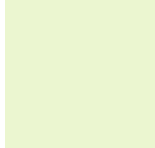
## Protanomaly

237.0970, 23.5710, -25.2050



## Deuteranomaly

238.0890, 18.0220, -18.2500



## Tritanomaly

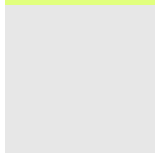
238.3790, 5.6420, -14.1500

# Monochromacy



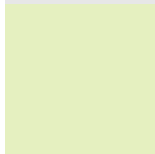
## Original Color

231.2100, 23.8500, -46.7900



## Achromatopsia

231.0000, -0.0000, -0.0000



## Achromatomaly

231.2390, 8.8520, -17.2600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 231.2100, 23.8500, -46.7900 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(225, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 125)  
}
```

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(225, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 125) }
```

## Border

The CSS property to change the border of an element to YIQ 231.2100, 23.8500, -46.7900 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(225, 255, 125) }
```



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

```
.border{ border-color:rgb(225, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
125) }
```

# Background

The CSS property to change the background color of an element to YIQ 231.2100, 23.8500, -46.7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 125) }
```

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

```
.background{ background-color: rgb(225,  
255, 125) }
```

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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