

# Converting Colors

YIQ(226.3280, 0.5110, -36.8090)

Have a look what the booklet for  
YIQ(226.3280, 0.5110, -36.8090)  
contains.

<b>YIQ(226.3280, 0.5110, -36.8090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(226.3280, 0.5110,  
-36.8090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCFAA3
RGB	204, 250, 163
RGB Percent	80%, 98%, 64%
CMY	0.2002, 0.0195, 0.3607
CMYK	0.18, 0.00, 0.35, 0.02
HSL	92°, 90%, 81%
HSV	92°, 35%, 98%
XYZ	65.6944, 83.8595, 47.3827
YIQ	226.3280, 0.5110, -36.8090

# Conversions

## Conversions Part 2

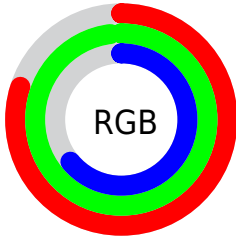
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 250, 209
Decimal	13433507
CIELab	93.39, -29.43, 37.04
CIELCh	93, 47.309, 128.464
Yxy	83.8595, 0.3336, 0.4258
Android (android.graphics.Color)	4291623587 (0xFFCCFAA3)
YUV	226.3280, -31.2207, -19.5817
Hunter-Lab	91.5749, -32.2028, 33.4245

# Details

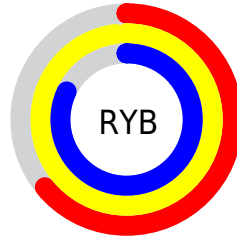
The YIQ color  $226.3280, 0.5110, -36.8090$  is a light color, and the websafe version is hex  $CCFF99$ . A complement of this color would be  $186.6720, -0.5110, 36.8090$ , and the grayscale version is  $227.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $250.8960, 11.5560, -11.1960$ , and  $170.3820, 0.4190, -35.1410$  is the 20% darker color. If you saturate the color by 10%, you get  $219.5910, 0.7880, -47.3400$ , and if you desaturate by 10%, it is  $233.0650, 0.2340, -26.2780$ .

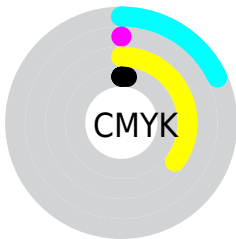
# Distribution



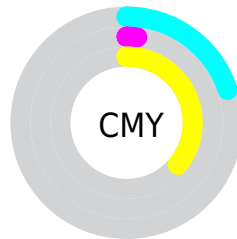
- Red (80%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)



- Cyan (20%)
- Magenta (2%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 226.3280, 0.5110, -36.8090 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 226.3280, 0.5110, -36.8090 by changing the saturation by 10% instead.





 226.3280, 0.5110,  
-36.8090


 226.3280, 0.5110,  
-36.8090


255.0000, -0.0000,  
-0.0000

 197.8550, 0.4650,  
-35.9750


 250.8960, 11.5560,  
-11.1960


 170.0830, -0.1770,  
-35.3530

 254.0880, 2.5680,  
-2.4880

 143.6100, -0.2230,  
-34.5190

 117.7240, -0.5440,  
-34.2080

 91.9520, -1.1860,  
-33.5860

 66.8380, -0.8650,  
-33.8970

 44.1350, -5.9550,

-29.7550

■ 25.2410, -11.8250,  
-22.4890

■ 11.7400, -5.5000,  
-10.4600

■ 226.3280, 0.5110,  
-36.8090

■ 226.3280, 0.5110,  
-36.8090

■ 219.5910, 0.7880,  
-47.3400

■ 233.0650, 0.2340,  
-26.2780

■ 212.5550, 0.4690,  
-58.0830

■ 239.8020, -0.0430,  
-15.7470

■ 205.8180, 0.7460,  
-68.6140

■ 246.8380, 0.2760,  
-5.0040

■ 199.0810, 1.0230,  
-79.1450

■ 252.0650, 1.3750,  
2.6150

■ 192.3440, 1.3000,  
-89.6760

■ 185.6070, 1.5770,  
-100.2070

■ 182.0320, 1.5780,  
-105.7340

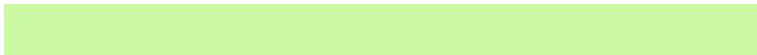
# Harmonies

## Analogous

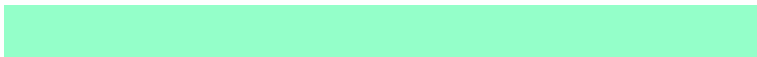
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231.5950, 39.6640, -25.0080



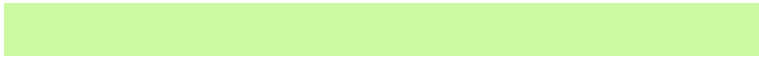
226.3280, 0.5110, -36.8090



216.8510, -46.4380, -39.4780

# Triad

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



226.3280, 0.5110, -36.8090



209.6070, -83.2570, -27.4890



219.8820, 24.4800, 18.9120

# Complementary

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



226.3280, 0.5110, -36.8090



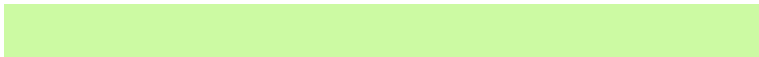
186.6720, -0.5110, 36.8090

# Split Complementary

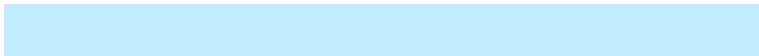
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225.6500, 13.7500, 26.1500



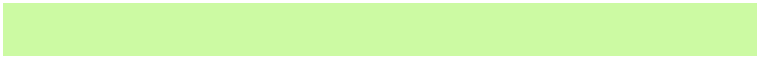
226.3280, 0.5110, -36.8090



225.0100, -32.3230, -3.4190

# Square

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



226.3280, 0.5110, -36.8090



192.8080, -123.9680, -44.0960



233.8680, 9.9000, 18.8280

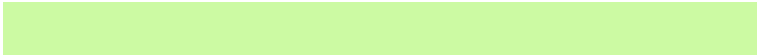


218.3880, 36.9540, 2.0900



# Rectangle

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



226.3280, 0.5110, -36.8090



208.1260, -80.8250, -38.5290



233.8680, 9.9000, 18.8280



221.5920, 19.6650, 23.5770

# Sweetspot

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



226.3280, 0.5110, -36.8090



247.9640, -0.3190, -10.7430



215.4280, 39.4770, -5.0910



123.4850, -0.2280, -6.8840



0.0000, 0.0000, 0.0000

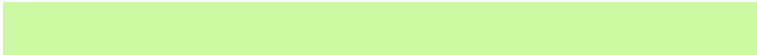


128.0000, -0.0000, -0.0000

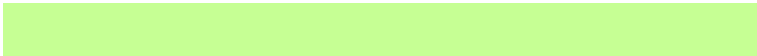


# Same Dimension

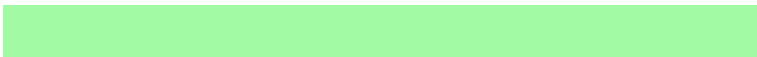
The Same Dimension uses a secret algorithm to generate beautiful new colors.



226.3280, 0.5110, -36.8090



225.7590, 0.3750, -45.3610



214.1830, -24.2460, -45.1900



121.4250, 0.0010, -5.5270



137.5540, 1.0690, -79.9790



44.4780, 0.5090, -25.7550



# Inverse Universe

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



186.6720, -0.5110, 36.8090



177.2410, -0.3750, 45.3610



198.8170, 24.2460, 45.1900



115.5750, -0.0010, 5.5270



51.4460, -1.0690, 79.9790



16.5220, -0.5090, 25.7550



# Previews

## White Background



This preview shows how the YIQ color 226.3280, 0.5110, -36.8090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

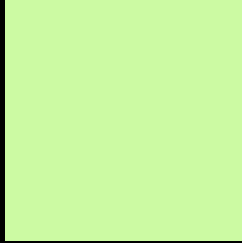
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 226.3280, 0.5110, -36.8090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

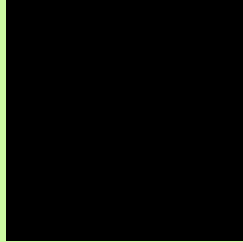
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

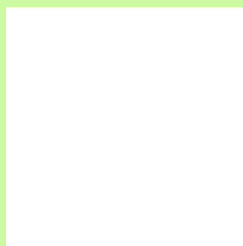
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 226.3280, 0.5110, -36.8090

## Background



This preview shows how black text looks on a background with the YIQ color 226.3280, 0.5110, -36.8090.



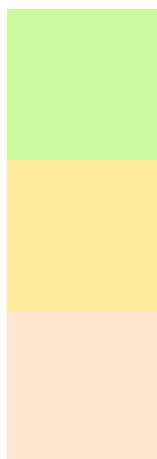
This preview shows how white text looks on a background with the YIQ color 226.3280, 0.5110, -36.8090.

-36.8090.

# 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

226.3280, 0.5110, -36.8090

### Protanopia

232.2020, 36.6370, -19.7070

### Deuteranopia

235.8960, 20.7240, -1.1320



## Tritanopia

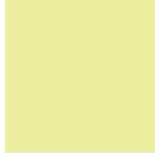
234.5560, -16.1850, 1.4710

# Trichromacy



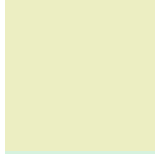
## Original Color

226.3280, 0.5110, -36.8090



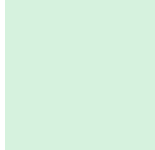
## Protanomaly

229.6840, 23.2960, -25.7280



## Deuteranomaly

232.3860, 12.9320, -14.1080



## Tritanomaly

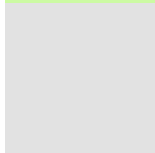
231.3480, -10.2680, -12.1560

# Monochromacy



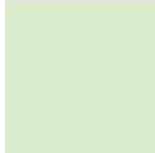
## Original Color

226.3280, 0.5110, -36.8090



## Achromatopsia

226.0000, -0.0000, 0.0000



## Achromatomaly

226.2690, 0.1400, -13.5560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 226.3280, 0.5110, -36.8090 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(204, 250, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 250, 163)  
}
```

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(204, 250, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 250, 163) }
```

## Border

The CSS property to change the border of an element to YIQ 226.3280, 0.5110, -36.8090 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(204, 250, 163) }
```



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

```
.border{ border-color:rgb(204, 250, 163) }
```

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

Here you see how a box with a 4 pixel rgb(204, 250, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 250, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 250, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 250,  
163) }
```

# Background

The CSS property to change the background color of an element to YIQ 226.3280, 0.5110, -36.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 250, 163) }
```

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

```
.background{ background-color: rgb(204,  
250, 163) }
```

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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