

# Converting Colors

YIQ(219.3060, -45.9810,  
-31.2370)

Have a look what the booklet for  
YIQ(219.3060, -45.9810, -31.2370)  
contains.

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# Color

**YIQ(219.3060, -45.9810,  
-31.2370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFCD9
RGB	156, 252, 217
RGB Percent	61%, 99%, 85%
CMY	0.3885, 0.0116, 0.1492
CMYK	0.38, 0.00, 0.14, 0.01
HSL	158°, 94%, 80%
HSV	158°, 38%, 99%
XYZ	61.0402, 81.7153, 78.1741
YIQ	219.3060, -45.9810, -31.2370

# Conversions

## Conversions Part 2

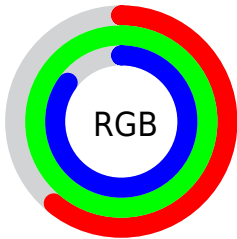
Format	Color
R <sub>YB</sub>	156, 215, 252
Decimal	10288345
CIE Lab	92.45, -36.07, 7.89
CIE LCh	92, 36.924, 167.655
Yxy	81.7153, 0.2763, 0.3699
Android (android.graphics.Color)	4288478425 (0xFF9CFCD9)
YUV	219.3060, -1.1369, -55.5194
Hunter-Lab	90.3965, -37.6619, 12.0041

# Details

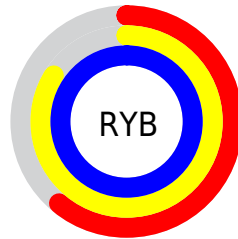
The YIQ color **219.3060, -45.9810, -31.2370** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **188.6940, 45.9810, 31.2370**, and the grayscale version is **219.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **242.7410, -24.4360, -8.6920**, and **162.8330, -46.0270, -30.4030** is the 20% darker color. If you saturate the color by 10%, you get **210.8050, -57.9920, -39.3360**, and if you desaturate by 10%, it is **227.8070, -33.9700, -23.1380**.

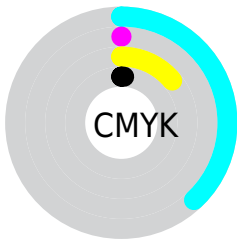
# Distribution



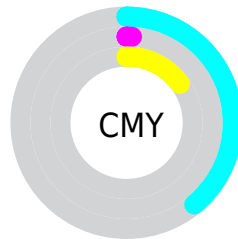
- Red (61%)
- Green (99%)
- Blue (85%)



- Red (61%)
- Yellow (84%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)



- Cyan (39%)
- Magenta (1%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 219.3060, -45.9810, -31.2370 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 219.3060, -45.9810, -31.2370 by changing the saturation by 10% instead.



■ 219.3060,  
-45.9810, -31.2370

■ 219.3060,  
-45.9810, -31.2370

■ 255.0000, -0.0000,  
-0.0000

■ 190.7190,  
-45.7060, -30.7140

■ 242.4420,  
-25.0320, -8.9040

■ 162.8330,  
-46.0270, -30.4030

■ 251.4120, -7.1520,  
-2.5440

■ 134.7620,  
-47.2650, -29.9930

■ 107.3810,  
-50.5660, -30.7420

■ 77.3090, -59.2310,  
-33.3990

■ 60.0120, -44.9730,  
-27.4770

■ 42.8290, -31.0360,

-21.2440

■ 27.6350, -18.5660,  
-15.9580

■ 9.3920, -4.4000,  
-8.3680

■ 219.3060,  
-45.9810, -31.2370

■ 219.3060,  
-45.9810, -31.2370

■ 210.8050,  
-57.9920, -39.3360

■ 227.8070,  
-33.9700, -23.1380

■ 202.3040,  
-70.0030, -47.4350

■ 236.3080,  
-21.9590, -15.0390

■ 193.3900,  
-82.2890, -56.0570

■ 245.2220, -9.6730,  
-6.4170

■ 184.8890,  
-94.3000, -64.1560

■ 253.1250, 1.1460,  
1.2580

■ 176.3880,  
-106.3110, -72.2550

■ 253.2390, 0.8250,  
1.5690

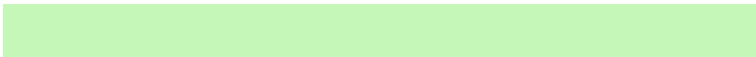
■ 167.8870,  
-118.3220, -80.3540

■ 166.1640,  
-120.6600, -82.0360

# Harmonies

## Analogous

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



224.9820, -9.8980, -29.8820



219.3060, -45.9810, -31.2370



214.8420, -76.6090, -26.8250

# Triad

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



219.3060, -45.9810, -31.2370



228.6750, -14.9020, 5.7540



223.1980, 34.4330, -1.7830

# Complementary

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



219.3060, -45.9810, -31.2370



188.6940, 45.9810, 31.2370

# 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.



222.6230, 26.4070, 11.5190



219.3060, -45.9810, -31.2370



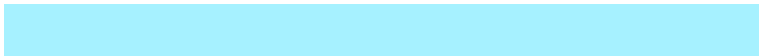
232.6940, 10.4500, 19.8740

# Square

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



219.3060, -45.9810, -31.2370



220.1710, -49.1940, -11.5460



226.8410, 14.5300, 23.0260

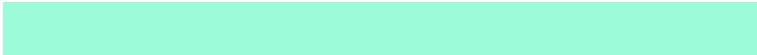


227.6030, 37.1860, -13.1340



# Rectangle

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



219.3060, -45.9810, -31.2370



212.8850, -78.1680, -26.1040



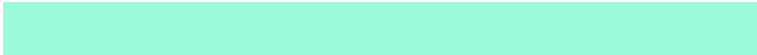
226.8410, 14.5300, 23.0260



222.5770, 32.0480, 2.8960

# Sweetspot

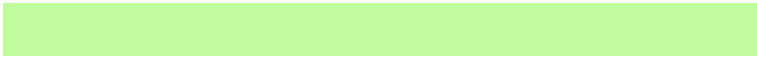
The Sweet Spot groups the original color and five complimentary colors.



219.3060, -45.9810, -31.2370



245.4880, -13.4780, -9.0460



222.8170, -5.5400, -42.7880



122.1190, -7.8850, -5.7810



0.0000, 0.0000, 0.0000

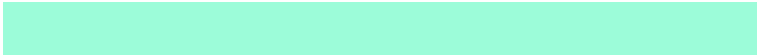


128.0000, -0.0000, -0.0000

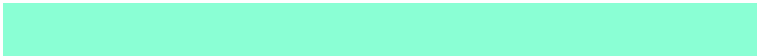


# Same Dimension

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



219.3060, -45.9810, -31.2370



215.1150, -55.9290, -38.1770



215.6650, -53.6410, -13.5530



120.5430, -6.1430, -4.3110



124.6230, -90.4950, -61.5270



40.2530, -29.2940, -19.7740



# Inverse Universe

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



188.6940, 45.9810, 31.2370



177.8850, 55.9290, 38.1770



192.3350, 53.6410, 13.5530



116.4570, 6.1430, 4.3110



64.3770, 90.4950, 61.5270

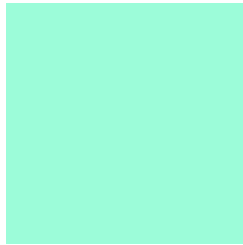


20.7470, 29.2940, 19.7740



# Previews

## White Background



This preview shows how the YIQ color 219.3060, -45.9810, -31.2370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

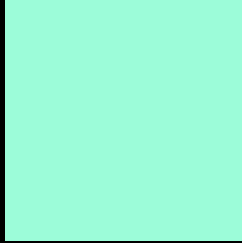
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 219.3060, -45.9810, -31.2370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

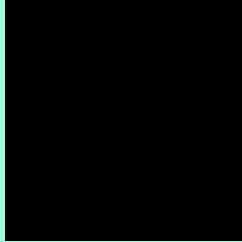
Any Text WCAG AA ✓ Pass

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 219.3060, -45.9810, -31.2370 Background



This preview shows how black text looks on a background with the YIQ color 219.3060, -45.9810, -31.2370.



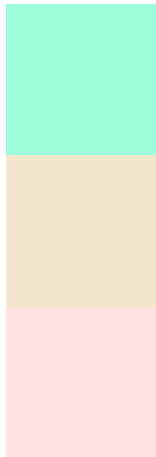
This preview shows how white text looks on a background with the YIQ color 219.3060, -45.9810, -31.2370.

-31.2370.

# 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

219.3060, -45.9810, -31.2370

### Protanopia

231.4390, 14.5810, -5.4430

### Deuteranopia

233.8560, 18.2010, 6.0490



## Tritanopia

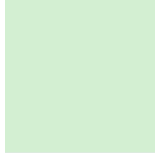
227.6460, -34.2940, -6.2460

# Trichromacy



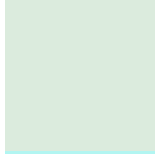
## Original Color

219.3060, -45.9810, -31.2370



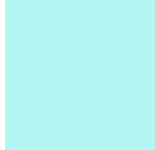
## Protanomaly

227.3220, -7.3790, -14.9550



## Deuteranomaly

228.6200, -5.0420, -7.7460



## Tritanomaly

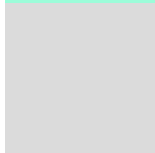
224.5110, -38.6480, -15.4480

# Monochromacy



## Original Color

219.3060, -45.9810, -31.2370



## Achromatopsia

219.0000, 0.0000, -0.0000



## Achromatomaly

219.0530, -16.6870, -11.4630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 219.3060, -45.9810, -31.2370 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(156, 252, 217)` looks like.

```
.text, #text, p{  
    color:rgb(156, 252, 217)  
}
```

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(156, 252, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 252, 217) }
```

## Border

The CSS property to change the border of an element to YIQ 219.3060, -45.9810, -31.2370 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(156, 252, 217) }
```



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

```
.border{ border-color:rgb(156, 252, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 252, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 252, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 252, 217);  
box-shadow:4px 4px 4px 4px rgb(156, 252,  
217) }
```

# Background

The CSS property to change the background color of an element to YIQ 219.3060, -45.9810, -31.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 252, 217) }
```

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

```
.background{ background-color: rgb(156,  
252, 217) }
```

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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