

# Converting Colors

YIQ(225.4450, -47.4500,  
-21.1300)

Have a look what the booklet for  
YIQ(225.4450, -47.4500, -21.1300)  
contains.

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# Color

**YIQ(225.4450, -47.4500,  
-21.1300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FCF2
RGB	167, 252, 242
RGB Percent	65%, 99%, 95%
CMY	0.3453, 0.0116, 0.0512
CMYK	0.34, 0.00, 0.04, 0.01
HSL	173°, 93%, 82%
HSV	173°, 34%, 99%
XYZ	66.7668, 84.2610, 96.7132
YIQ	225.4450, -47.4500, -21.1300

# Conversions

## Conversions Part 2

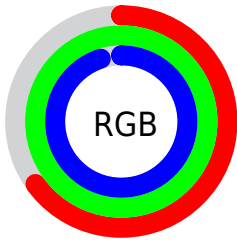
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 212, 252
Decimal	11009266
CIELab	93.56, -27.79, -3.35
CIELCh	94, 27.987, 186.874
Yxy	84.2610, 0.2695, 0.3401
Android (android.graphics.Color)	4289199346 (0xFFA7FCF2)
YUV	225.4450, 8.1616, -51.2563
Hunter-Lab	91.7938, -30.8059, 1.7882

# Details

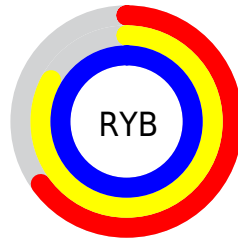
The YIQ color **225.4450, -47.4500, -21.1300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **193.5550, 47.4500, 21.1300**, and the grayscale version is **225.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **246.0300, -17.8800, -6.3600**, and **168.8580, -47.1750, -20.6070** is the 20% darker color. If you saturate the color by 10%, you get **217.6280, -61.3870, -27.3630**, and if you desaturate by 10%, it is **233.2620, -33.5130, -14.8970**.

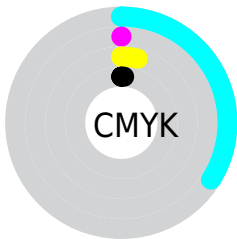
# Distribution



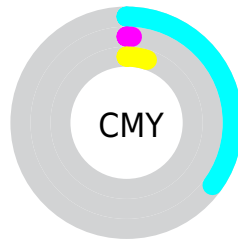
- Red (65%)
- Green (99%)
- Blue (95%)



- Red (65%)
- Yellow (83%)
- Blue (99%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (35%)
- Magenta (1%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 225.4450, -47.4500, -21.1300 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 225.4450, -47.4500, -21.1300 by changing the saturation by 10% instead.



225.4450,  
-47.4500, -21.1300

225.4450,  
-47.4500, -21.1300

255.0000, -0.0000,  
-0.0000

196.8580,  
-47.1750, -20.6070

246.0300,  
-17.8800, -6.3600

168.8580,  
-47.1750, -20.6070

254.7010, -0.5960,  
-0.2120

141.5590,  
-47.7710, -20.8190

114.0750,  
-49.2840, -20.9320

85.4980, -54.9690,  
-22.5290

62.2920, -51.3930,  
-21.2570

45.5820, -37.4100,

-15.8580

■ 30.2740, -24.6190,  
-10.8830

■ 14.3790, -11.5530,  
-5.3850

■ 225.4450,  
-47.4500, -21.1300

■ 225.4450,  
-47.4500, -21.1300

■ 217.6280,  
-61.3870, -27.3630

■ 233.2620,  
-33.5130, -14.8970

■ 209.8110,  
-75.3240, -33.5960

■ 241.0790,  
-19.5760, -8.6640

■ 201.6950,  
-89.8570, -40.0410

■ 249.1950, -5.0430,  
-2.2190

■ 193.8780,  
-103.7940, -46.2740

■ 253.1250, 1.1460,  
1.2580

■ 186.0610,  
-117.7310, -52.5070

■ 253.2390, 0.8250,  
1.5690

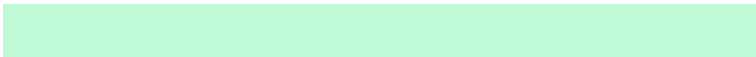
■ 178.2440,  
-131.6680, -58.7400

■ 173.2320,  
-140.5620, -62.7540

# Harmonies

## Analogous

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



227.9560, -24.2040, -23.9160



225.4450, -47.4500, -21.1300



223.9590, -54.6490, -17.3130

# Triad

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



225.4450, -47.4500, -21.1300



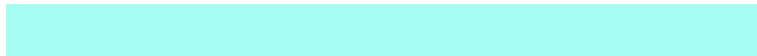
237.3570, 3.8490, 12.8490



231.5130, 28.9320, -6.7160

# Complementary

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



225.4450, -47.4500, -21.1300



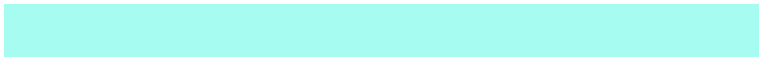
193.5550, 47.4500, 21.1300

# 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.



228.7550, 25.6750, 2.7550



225.4450, -47.4500, -21.1300



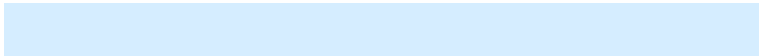
234.4550, 9.6250, 18.3050

# Square

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



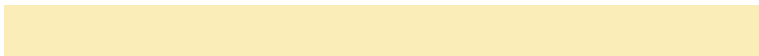
225.4450, -47.4500, -21.1300



231.8760, -20.0820, 0.5100



229.9580, 18.1540, 12.4100

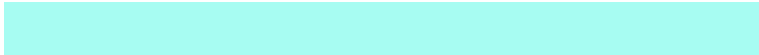


235.0300, 25.6780, -13.8260



# Rectangle

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



225.4450, -47.4500, -21.1300



225.1880, -47.8640, -13.6240



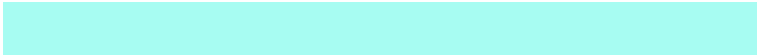
229.9580, 18.1540, 12.4100



230.2080, 28.4730, -3.9030

# Sweetspot

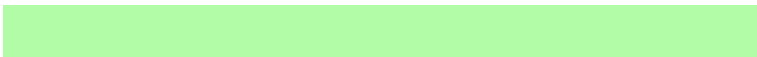
The Sweet Spot groups the original color and five complimentary colors.



225.4450, -47.4500, -21.1300



247.1830, -13.9370, -6.2330



220.1840, -16.8190, -42.1230



122.9880, -8.8940, -4.0140



0.0000, 0.0000, 0.0000

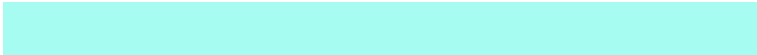


128.0000, -0.0000, -0.0000

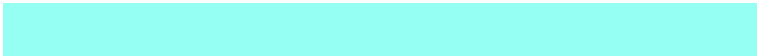


# Same Dimension

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



225.4450, -47.4500, -21.1300



222.2370, -58.7280, -25.9920



208.3880, -42.1350, -1.8070



120.8850, -7.1060, -3.3780



129.8670, -105.2610, -47.2210



41.9630, -34.1090, -15.1090



# Inverse Universe

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



193.5550, 47.4500, 21.1300



182.8770, 58.4070, 26.3030



210.6120, 42.1350, 1.8070



116.1150, 7.1060, 3.3780



59.0190, 105.5820, 46.9100

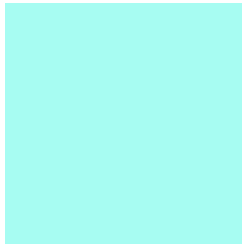


19.0370, 34.1090, 15.1090



# Previews

## White Background



This preview shows how the YIQ color 225.4450, -47.4500, -21.1300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

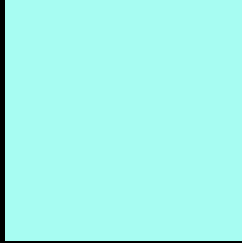
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 225.4450, -47.4500, -21.1300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

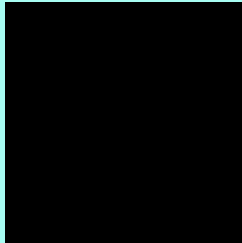
Any Text WCAG AA ✓ Pass

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 225.4450, -47.4500, -21.1300 Background



This preview shows how black text looks on a background with the YIQ color 225.4450, -47.4500, -21.1300.



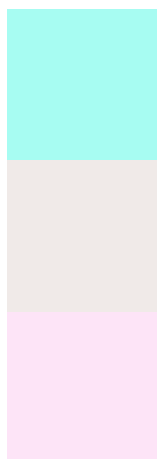
This preview shows how white text looks on a background with the YIQ color 225.4450, -47.4500, -21.1300.

-21.1300.

# 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

225.4450, -47.4500, -21.1300

### Protanopia

235.5660, 4.2180, 0.6500

### Deuteranopia

237.6410, 8.8010, 11.2090



## Tritanopia

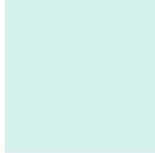
232.1090, -28.2880, -4.9600

# Trichromacy



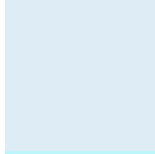
## Original Color

225.4450, -47.4500, -21.1300



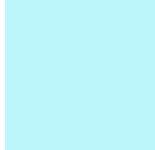
## Protanomaly

232.0580, -15.0830, -7.4910



## Deuteranomaly

233.4270, -11.5080, -0.6920



## Tritanomaly

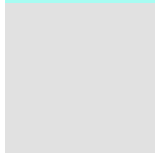
229.4130, -35.2560, -10.8400

# Monochromacy



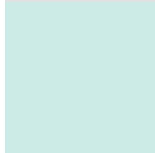
## Original Color

225.4450, -47.4500, -21.1300



## Achromatopsia

225.0000, -0.0000, -0.0000



## Achromatomaly

225.2750, -17.1920, -7.8160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 225.4450, -47.4500, -21.1300 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(167, 252, 242)` looks like.

```
.text, #text, p{  
    color:rgb(167, 252, 242)  
}
```

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(167, 252, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 252, 242) }
```

## Border

The CSS property to change the border of an element to YIQ 225.4450, -47.4500, -21.1300 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(167, 252, 242) }
```



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

```
.border{ border-color:rgb(167, 252, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 252, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 252, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 252, 242);  
box-shadow:4px 4px 4px 4px rgb(167, 252,  
242) }
```

# Background

The CSS property to change the background color of an element to YIQ 225.4450, -47.4500, -21.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 252, 242) }
```

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

```
.background{ background-color: rgb(167,  
252, 242) }
```

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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