

# Converting Colors

YIQ(217.7310, -44.8390,  
-7.8710)

Have a look what the booklet for  
YIQ(217.7310, -44.8390, -7.8710)  
contains.

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# Color

**YIQ(217.7310, -44.8390,  
-7.8710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEBFE
RGB	170, 235, 254
RGB Percent	67%, 92%, 100%
CMY	0.3335, 0.0783, 0.0041
CMYK	0.33, 0.07, 0.00, 0.00
HSL	194°, 98%, 83%
HSV	194°, 33%, 100%
XYZ	64.1674, 75.1269, 104.8437
YIQ	217.7310, -44.8390, -7.8710

# Conversions

## Conversions Part 2

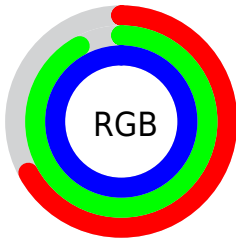
Format	Color
<b>RYB</b>	170, 207, 254
Decimal	11201534
CIELab	89.45, -15.91, -15.68
CIElCh	89, 22.338, 224.586
Yxy	75.1269, 0.2628, 0.3077
Android (android.graphics.Color)	4289391614 (0xFFAAEBFE)
YUV	217.7310, 17.8806, -41.8601
Hunter-Lab	86.6758, -19.5364, -11.0445

# Details

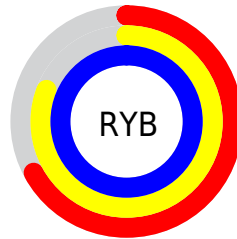
The YIQ color **217.7310, -44.8390, -7.8710** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **206.2690, 44.8390, 7.8710**, and the grayscale version is **218.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **246.6280, -16.6880, -5.9360**, and **161.9160, -43.9220, -7.9700** is the 20% darker color. If you saturate the color by 10%, you get **206.7340, -58.0890, -10.0330**, and if you desaturate by 10%, it is **228.7280, -31.5890, -5.7090**.

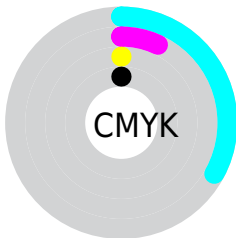
# Distribution



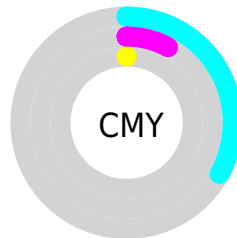
- Red (67%)
- Green (92%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.7310, -44.8390, -7.8710 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 217.7310, -44.8390, -7.8710 by changing the saturation by 10% instead.



■ 217.7310,  
-44.8390, -7.8710

■ 217.7310,  
-44.8390, -7.8710

255.0000, -0.0000,  
-0.0000

■ 189.6170,  
-44.5180, -8.1820

■ 246.6280,  
-16.6880, -5.9360

■ 161.9160,  
-43.9220, -7.9700

■ 134.6170,  
-44.5180, -8.1820

■ 108.3180,  
-45.1140, -8.3940

■ 81.4100, -48.3690,  
-9.9770

■ 55.8010, -51.0280,  
-11.3480

■ 39.6780, -37.3200,

-6.4720

■ 24.7290, -24.1620,  
-2.6420

■ 3.6650, -8.9420,  
7.8740

■ 217.7310,  
-44.8390, -7.8710

■ 217.7310,  
-44.8390, -7.8710

■ 206.7340,  
-58.0890, -10.0330

■ 228.7280,  
-31.5890, -5.7090

■ 196.0250,  
-72.2100, -12.9300

■ 239.4370,  
-17.4680, -2.8120

■ 185.0280,  
-85.4600, -15.0920

■ 250.4340, -4.2180,  
-0.6500

■ 173.7320,  
-99.3060, -17.4660

■ 254.8860, 0.3210,  
-0.3110

■ 162.7350,  
-112.5560, -19.6280

■ 152.3250,  
-126.0810, -22.3130

■ 144.5950,  
-135.7090, -24.0370

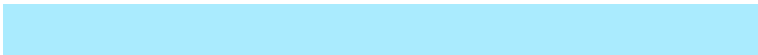
# Harmonies

## Analogous

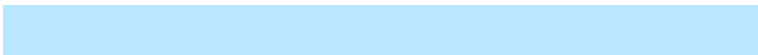
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



216.4400, -39.8860, -15.0380



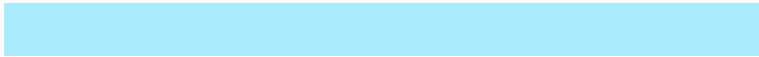
217.7310, -44.8390, -7.8710



219.9930, -33.6530, -1.3410

# Triad

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



217.7310, -44.8390, -7.8710



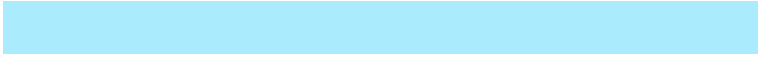
227.1200, 17.8780, 17.4140



223.2940, 16.1870, -12.5250

# Complementary

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



217.7310, -44.8390, -7.8710



206.2690, 44.8390, 7.8710

# 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.



225.4640, 30.6280, -4.4120



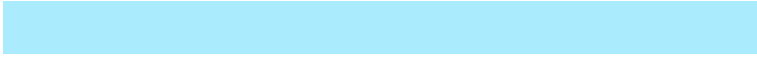
217.7310, -44.8390, -7.8710



224.0250, 25.2150, 11.0950

# Square

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



217.7310, -44.8390, -7.8710



227.9210, 2.3810, 17.4290



223.6200, 30.4890, 3.6170

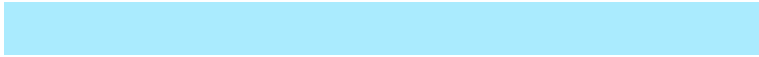


220.4810, -3.5730, -17.8530

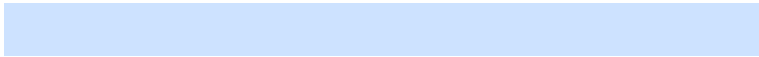


# Rectangle

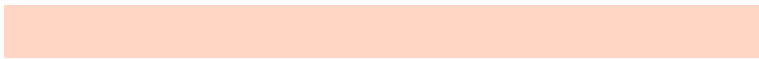
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



217.7310, -44.8390, -7.8710



223.0270, -21.8250, 4.5670



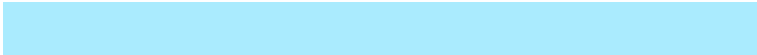
223.6200, 30.4890, 3.6170



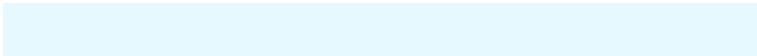
223.3980, 21.8260, -10.0940

# Sweetspot

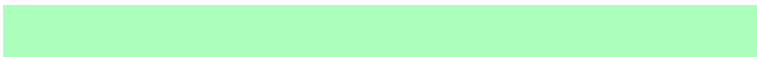
The Sweet Spot groups the original color and five complimentary colors.



217.7310, -44.8390, -7.8710



244.0030, -13.2500, -2.1620



221.3600, -28.8780, -38.3340



120.8680, -8.4360, -1.3000



0.0000, 0.0000, 0.0000

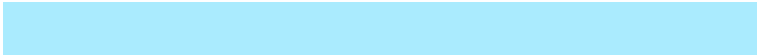


128.0000, -0.0000, -0.0000

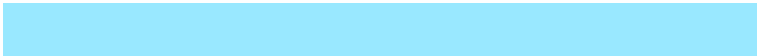


# Same Dimension

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



217.7310, -44.8390, -7.8710



211.0010, -54.4670, -9.5950



193.6640, -33.5640, 13.5720



122.3520, -6.9230, -1.1870



108.6500, -102.0110, -18.0030



36.0590, -34.0190, -5.7230



# Inverse Universe

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



202.5260, 29.1990, 38.0230



192.5040, 35.4330, 46.1930



230.3360, 33.5640, -13.5720



120.0270, 4.5380, 5.8660



73.9810, 66.3280, 86.5200

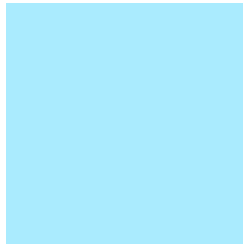


24.7220, 22.4150, 28.8070



# Previews

## White Background



This preview shows how the YIQ color 217.7310, -44.8390, -7.8710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

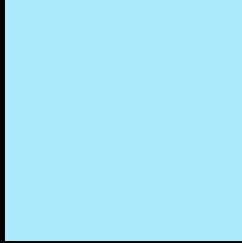
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.7310, -44.8390, -7.8710 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 217.7310, -44.8390, -7.8710

## Background



This preview shows how black text looks on a background with the YIQ color 217.7310, -44.8390, -7.8710.



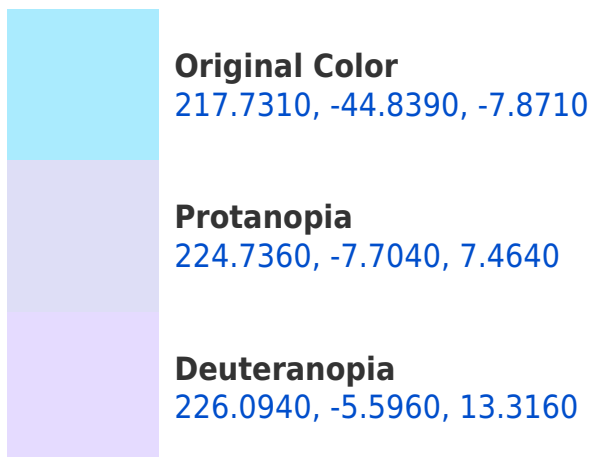
This preview shows how white text looks on a background with the YIQ color 217.7310, -44.8390, -7.8710.

-7.8710.

# 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





## Tritanopia

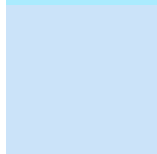
217.7310, -44.8390, -7.8710

# Trichromacy



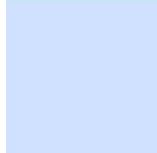
## Original Color

217.7310, -44.8390, -7.8710



## Protanomaly

222.3320, -21.3660, 1.7540



## Deuteranomaly

223.3370, -19.7620, 5.7260



## Tritanomaly

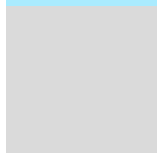
217.7310, -44.8390, -7.8710

# Monochromacy



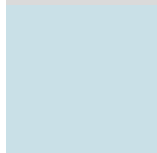
## Original Color

217.7310, -44.8390, -7.8710



## Achromatopsia

218.0000, -0.0000, 0.0000



## Achromatomaly

217.9210, -15.9550, -2.6990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.7310, -44.8390, -7.8710 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(170, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(170, 235, 254)  
}
```

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(170, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 235, 254) }
```

## Border

The CSS property to change the border of an element to YIQ 217.7310, -44.8390, -7.8710 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(170, 235, 254) }
```



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

```
.border{ border-color:rgb(170, 235, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 235, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(170, 235,  
254) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.7310, -44.8390, -7.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 235, 254) }
```

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

```
.background{ background-color: rgb(170,  
235, 254) }
```

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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