

# Converting Colors

YIQ(227.7710, -42.3160,  
-15.0520)

Have a look what the booklet for  
YIQ(227.7710, -42.3160, -15.0520)  
contains.

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# Color

**YIQ(227.7710, -42.3160,  
-15.0520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2F9F9
RGB	178, 249, 249
RGB Percent	70%, 98%, 98%
CMY	0.3021, 0.0234, 0.0237
CMYK	0.29, 0.00, 0.00, 0.02
HSL	180°, 86%, 84%
HSV	180°, 29%, 98%
XYZ	69.3273, 84.0666, 102.1600
YIQ	227.7710, -42.3160, -15.0520

# Conversions

## Conversions Part 2

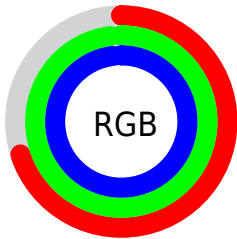
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 214, 249
Decimal	11729401
CIE Lab	93.48, -21.81, -7.04
CIE LCh	93, 22.919, 197.884
Yxy	84.0666, 0.2713, 0.3290
Android (android.graphics.Color)	4289919481 (0xFFB2F9F9)
YUV	227.7710, 10.4659, -43.6492
Hunter-Lab	91.6878, -25.4857, -1.8804

# Details

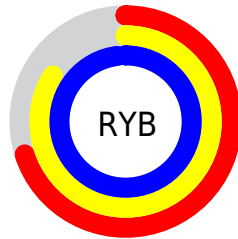
The YIQ color  $227.7710, -42.3160, -15.0520$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $199.2290, 42.3160, 15.0520$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $249.0200, -11.9200, -4.2400$ , and  $171.4830, -41.4450, -14.3170$  is the 20% darker color. If you saturate the color by 10%, you get  $220.2960, -57.2160, -20.3520$ , and if you desaturate by 10%, it is  $235.2460, -27.4160, -9.7520$ .

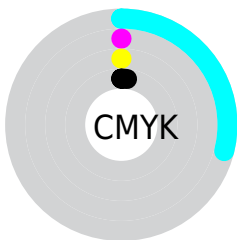
# Distribution



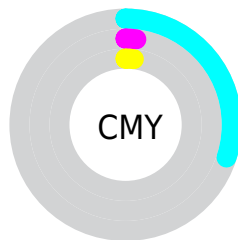
- Red (70%)
- Green (98%)
- Blue (98%)



- Red (70%)
- Yellow (84%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (30%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.7710, -42.3160, -15.0520 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 227.7710, -42.3160, -15.0520 by changing the saturation by 10% instead.



■ 227.7710,  
-42.3160, -15.0520

■ 227.7710,  
-42.3160, -15.0520

■ 255.0000, -0.0000,  
-0.0000

■ 199.0700,  
-41.7200, -14.8400

■ 249.0200,  
-11.9200, -4.2400

■ 171.4830,  
-41.4450, -14.3170

■ 144.3690,  
-41.1240, -14.6280

■ 118.0700,  
-41.7200, -14.8400

■ 91.2870, -43.8290,  
-15.1650

■ 62.1010, -52.1730,  
-18.1330

■ 45.6790, -39.0610,

-13.4690

■ 29.6700, -25.6740,  
-8.2820

■ 15.0630, -13.4790,  
-3.5190

■ 227.7710,  
-42.3160, -15.0520

■ 227.7710,  
-42.3160, -15.0520

■ 220.2960,  
-57.2160, -20.3520

■ 235.2460,  
-27.4160, -9.7520

■ 212.8210,  
-72.1160, -25.6520

■ 242.7210,  
-12.5160, -4.4520

■ 205.3460,  
-87.0160, -30.9520

■ 250.1960, 2.3840,  
0.8480

■ 197.8710,  
-101.9160, -36.2520

■ 250.7940, 3.5760,  
1.2720

■ 190.3960,  
-116.8160, -41.5520

■ 183.2200,  
-131.1200, -46.6400

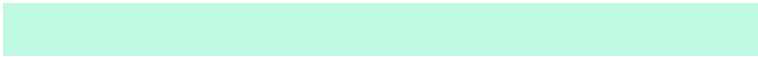
■ 175.7450,  
-146.0200, -51.9400

■ 174.5490,  
-148.4040, -52.7880

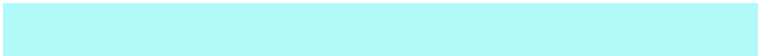
# Harmonies

## Analogous

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



229.0360, -27.1850, -19.4490



227.7710, -42.3160, -15.0520



227.5910, -41.6290, -10.9810

# Triad

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



227.7710, -42.3160, -15.0520



237.9770, 7.9750, 15.1670



234.5450, 25.9060, -6.9420

# Complementary

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



227.7710, -42.3160, -15.0520



199.2290, 42.3160, 15.0520

# 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.



231.5760, 24.6210, -0.1710



227.7710, -42.3160, -15.0520



234.6030, 11.9640, 14.4600

# Square

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



227.7710, -42.3160, -15.0520



234.8990, -9.7210, 5.4710



231.5080, 19.3010, 8.1410

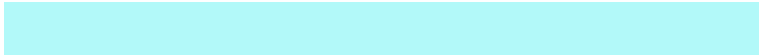


233.8700, 14.4450, -13.9950

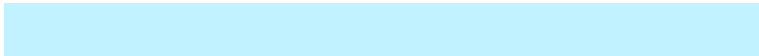


# Rectangle

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



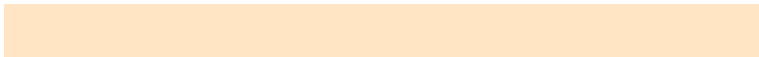
227.7710, -42.3160, -15.0520



229.1190, -34.2480, -7.0800



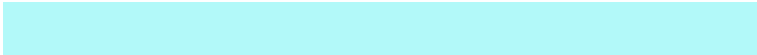
231.5080, 19.3010, 8.1410



233.0120, 26.0890, -4.7510

# Sweetspot

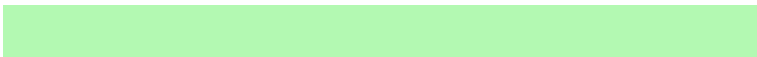
The Sweet Spot groups the original color and five complimentary colors.



227.7710, -42.3160, -15.0520



248.1230, -13.7080, -4.8760



219.9760, -18.9290, -36.9210



123.4010, -8.6190, -3.4910



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

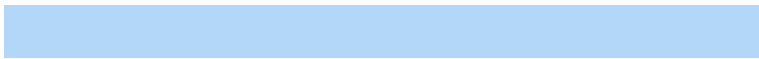
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.7710, -42.3160, -15.0520



228.9870, -51.8520, -18.4440



207.8130, -32.9660, 2.7300



121.1130, -7.7480, -2.7560



132.3750, -112.3230, -40.3790



42.7610, -36.3560, -12.9320



# Inverse Universe

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



199.2290, 42.3160, 15.0520



194.0130, 51.8520, 18.4440



219.1870, 32.9660, -2.7300



115.8870, 7.7480, 2.7560



56.5110, 112.6440, 40.0680

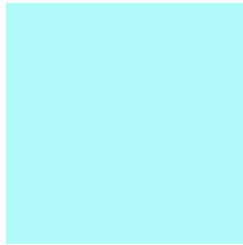


18.2390, 36.3560, 12.9320



# Previews

## White Background



This preview shows how the YIQ color 227.7710, -42.3160, -15.0520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

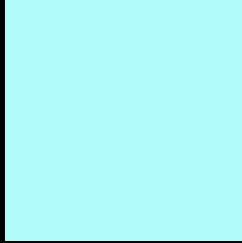
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.7710, -42.3160, -15.0520 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

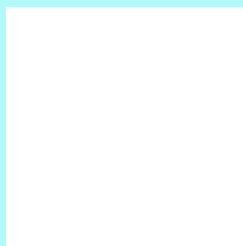
Any Text WCAG AAA ✓ Pass

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

# YIQ 227.7710, -42.3160, -15.0520 Background



This preview shows how black text looks on a background with the YIQ color 227.7710, -42.3160, -15.0520.



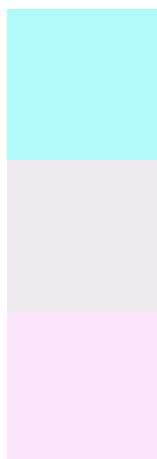
This preview shows how white text looks on a background with the YIQ color 227.7710, -42.3160, -15.0520.

-15.0520.

# 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

227.7710, -42.3160, -15.0520

### Protanopia

235.8800, 0.4580, 2.7140

### Deuteranopia

238.0150, 4.8120, 11.9160



## Tritanopia

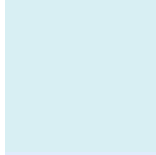
232.1200, -26.8210, -4.0130

# Trichromacy



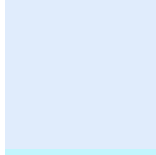
## Original Color

227.7710, -42.3160, -15.0520



## Protanomaly

232.5790, -14.9920, -3.6320



## Deuteranomaly

234.2360, -12.2880, 2.4320



## Tritanomaly

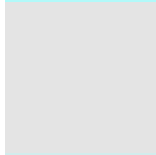
230.9620, -32.3680, -8.1120

# Monochromacy



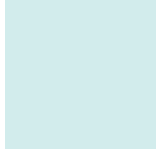
## Original Color

227.7710, -42.3160, -15.0520



## Achromatopsia

228.0000, 0.0000, 0.0000



## Achromatomaly

228.2260, -15.4960, -5.5120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.7710, -42.3160, -15.0520 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(178, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(178, 249, 249)  
}
```

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(178, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 249, 249) }
```

## Border

The CSS property to change the border of an element to YIQ 227.7710, -42.3160, -15.0520 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(178, 249, 249) }
```



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

```
.border{ border-color:rgb(178, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(178, 249,  
249) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.7710, -42.3160, -15.0520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 249, 249) }
```

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

```
.background{ background-color: rgb(178,  
249, 249) }
```

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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