

Converting Colors

YIQ(235.8770, -30.9910,
-16.5510)

Have a look what the booklet for
YIQ(235.8770, -30.9910, -16.5510)
contains.

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Color

**YIQ(235.8770, -30.9910,
-16.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFF2
RGB	196, 255, 242
RGB Percent	77%, 100%, 95%
CMY	0.2315, 0.0000, 0.0511
CMYK	0.23, 0.00, 0.05, 0.00
HSL	167°, 100%, 88%
HSV	167°, 23%, 100%
XYZ	74.5378, 89.6598, 97.3592
YIQ	235.8770, -30.9910, -16.5510

Conversions

Conversions Part 2

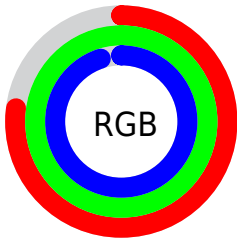
Format	Color
R_{YB}	196, 229, 255
Decimal	12910578
CIE Lab	95.86, -21.05, 0.17
CIE LCh	96, 21.050, 179.525
Yxy	89.6598, 0.2850, 0.3428
Android (android.graphics.Color)	4291100658 (0xFFC4FFF2)
YUV	235.8770, 3.0186, -34.9721
Hunter-Lab	94.6888, -25.1927, 5.3201

Details

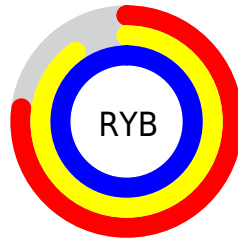
The YIQ color $235.8770, -30.9910, -16.5510$ is a light color, and the websafe version is hex $CCFFFF$. A complement of this color would be $215.1230, 30.9910, 16.5510$, and the grayscale version is $236.0000, 0.0000, -0.0000$.

A 20% lighter version of the original color is $254.4020, -1.1920, -0.4240$, and $179.5890, -30.1200, -15.8160$ is the 20% darker color. If you saturate the color by 10%, you get $227.4190, -44.5610, -23.9290$, and if you desaturate by 10%, it is $244.0360, -18.0170, -9.3850$.

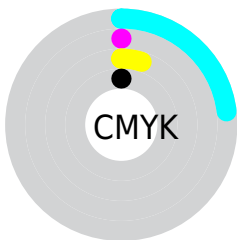
Distribution



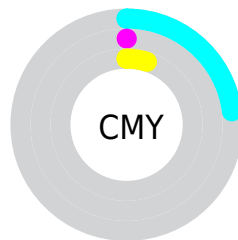
- Red (77%)
- Green (100%)
- Blue (95%)



- Red (77%)
- Yellow (90%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 235.8770, -30.9910, -16.5510 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 235.8770, -30.9910, -16.5510 by changing the saturation by 10% instead.

■ 235.8770,
-30.9910, -16.5510

■ 235.8770,
-30.9910, -16.5510

■ 255.0000, -0.0000,
-0.0000

■ 207.2900,
-30.7160, -16.0280

■ 254.4020, -1.1920,
-0.4240

■ 179.5890,
-30.1200, -15.8160

■ 152.5890,
-30.1200, -15.8160

■ 126.3010,
-29.2490, -15.0810

■ 100.4150,
-29.5700, -14.7700

■ 75.4150, -29.5700,
-14.7700

■ 50.0230, -34.3380,

-16.4660

■ 32.0350, -25.4440,
-12.4520

■ 18.4880, -13.4780,
-9.0460

■ 235.8770,
-30.9910, -16.5510

■ 235.8770,
-30.9910, -16.5510

■ 227.4190,
-44.5610, -23.9290

■ 244.0360,
-18.0170, -9.3850

■ 219.3740,
-57.8560, -30.7840

■ 252.3800, -4.1260,
-2.3180

■ 210.9160,
-71.4260, -38.1620

■ 255.0000, -0.0000,
-0.0000

■ 202.7570,
-84.4000, -45.3280

■ 194.4130,
-98.2910, -52.3950

■ 186.2540,
-111.2650, -59.5610

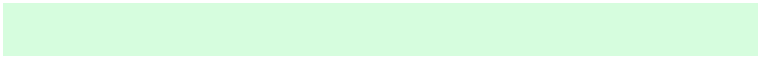
■ 177.9100,
-125.1560, -66.6280

■ 172.3710,
-134.0040, -71.4760

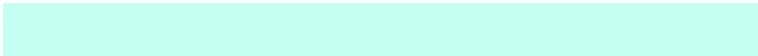
Harmonies

Analogous

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



237.8050, -13.2930, -17.9090



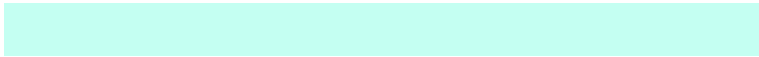
235.8770, -30.9910, -16.5510



234.6790, -39.0610, -13.4690

Triad

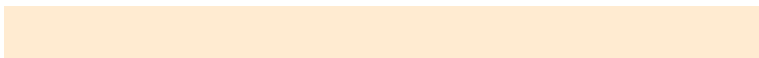
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



235.8770, -30.9910, -16.5510



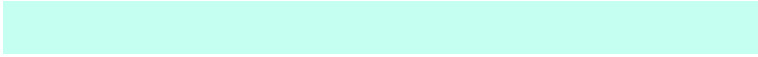
242.6290, -0.0930, 7.1950



238.0160, 20.2660, -3.8460

Complementary

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



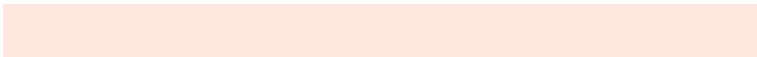
235.8770, -30.9910, -16.5510



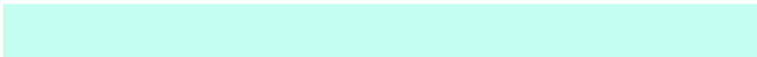
215.1230, 30.9910, 16.5510

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.



236.7910, 16.8260, 3.4340



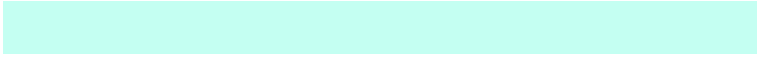
235.8770, -30.9910, -16.5510



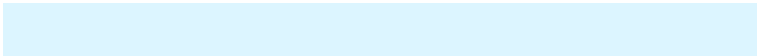
241.4990, 6.3250, 12.0290

Square

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



235.8770, -30.9910, -16.5510



238.6650, -18.1100, -2.1900



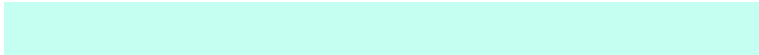
238.4840, 10.6810, 10.1770



241.4410, 20.2670, -9.3730

Rectangle

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



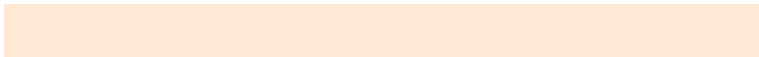
235.8770, -30.9910, -16.5510



235.0000, -35.5310, -11.3630



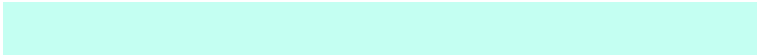
238.4840, 10.6810, 10.1770



237.2980, 19.5320, -1.5560

Sweetspot

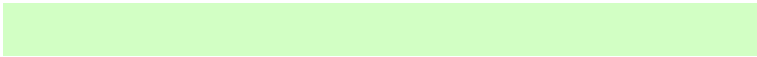
The Sweet Spot groups the original color and five complimentary colors.



235.8770, -30.9910, -16.5510



249.1620, -9.4440, -5.0600



234.8190, -7.8810, -27.8890



124.3690, -5.5930, -3.2650



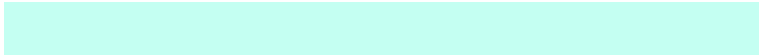
0.0000, 0.0000, 0.0000



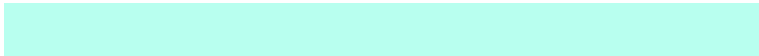
128.0000, -0.0000, -0.0000

Same Dimension

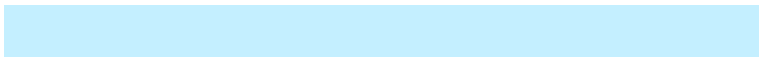
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235.8770, -30.9910, -16.5510



231.9470, -37.1800, -20.0280



227.9670, -30.7640, -4.1400



123.7710, -6.7850, -3.6890



129.1030, -100.3540, -53.5540



43.2680, -33.6500, -17.9220

Inverse Universe

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



215.1230, 30.9910, 16.5510



206.9390, 37.5010, 19.7170



223.0330, 30.7640, 4.1400



119.2290, 6.7850, 3.6890



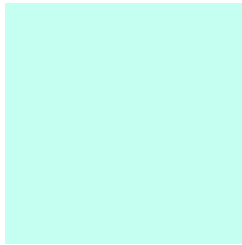
61.8970, 100.3540, 53.5540



20.7320, 33.6500, 17.9220

Previews

White Background



This preview shows how the YIQ color 235.8770, -30.9910, -16.5510 looks on a white background.

Color Contrast Check

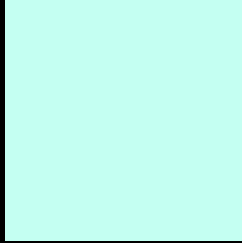
Large Text (above 18pt) WCAG AA × Fail

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 235.8770, -30.9910, -16.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

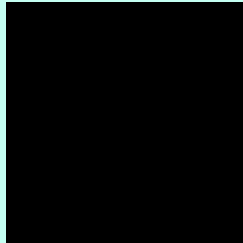
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

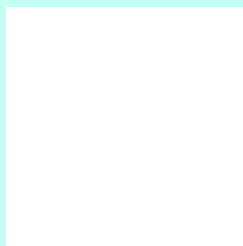
Any Text WCAG AAA ✓ Pass

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

YIQ 235.8770, -30.9910, -16.5510 Background



This preview shows how black text looks on a background with the YIQ color 235.8770, -30.9910, -16.5510.



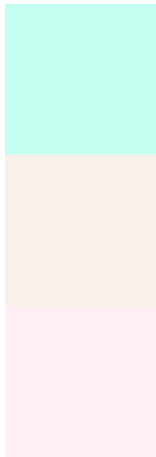
This preview shows how white text looks on a background with the YIQ color 235.8770, -30.9910, -16.5510.

-16.5510.

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

235.8770, -30.9910, -16.5510

Protanopia

242.2950, 6.4190, -0.6930

Deuteranopia

243.8810, 7.8850, 5.7810



Tritanopia

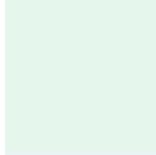
241.0460, -14.8090, -1.4410

Trichromacy



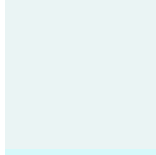
Original Color

235.8770, -30.9910, -16.5510



Protanomaly

239.8910, -7.2430, -6.4030



Deuteranomaly

241.0100, -5.9600, -2.1200



Tritanomaly

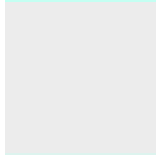
238.9480, -20.5850, -6.8970

Monochromacy



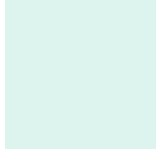
Original Color

235.8770, -30.9910, -16.5510



Achromatopsia

236.0000, 0.0000, -0.0000



Achromatomaly

235.8520, -11.5070, -6.2190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 235.8770, -30.9910, -16.5510 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(196, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 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(196, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 242) }
```

Border

The CSS property to change the border of an element to YIQ 235.8770, -30.9910, -16.5510 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(196, 255, 242) }
```


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

```
.border{ border-color:rgb(196, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
242) }
```

Background

The CSS property to change the background color of an element to YIQ 235.8770, -30.9910, -16.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 242) }
```

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

```
.background{ background-color: rgb(196,  
255, 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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