

# Converting Colors

YIQ(230.8650, -39.8850,  
-20.5650)

Have a look what the booklet for  
YIQ(230.8650, -39.8850, -20.5650)  
contains.

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# Color

**YIQ(230.8650, -39.8850,  
-20.5650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FFF0
RGB	180, 255, 240
RGB Percent	71%, 100%, 94%
CMY	0.2943, 0.0000, 0.0590
CMYK	0.29, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 29%, 100%
XYZ	70.2939, 87.5066, 95.5945
YIQ	230.8650, -39.8850, -20.5650

# Conversions

## Conversions Part 2

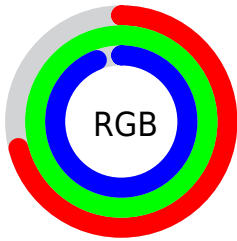
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 222, 255
Decimal	11862000
CIE <sub>Lab</sub>	94.95, -26.08, -0.21
CIE <sub>LCh</sub>	95, 26.081, 180.462
Yxy	87.5066, 0.2774, 0.3453
Android (android.graphics.Color)	4290052080 (0xFFB4FFF0)
YUV	230.8650, 4.5036, -44.6086
Hunter-Lab	93.5450, -29.5708, 4.8924

# Details

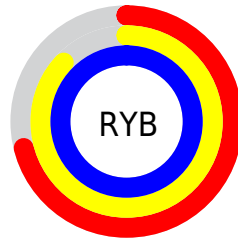
The YIQ color  $230.8650, -39.8850, -20.5650$  is a light color, and the websafe version is hex  $99FFFF$ . A complement of this color would be  $204.1350, 39.8850, 20.5650$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $249.6180, -10.7280, -3.8160$ , and  $174.5770, -39.0140, -19.8300$  is the 20% darker color. If you saturate the color by 10%, you get  $222.5210, -53.7760, -27.6320$ , and if you desaturate by 10%, it is  $238.9100, -26.5900, -13.7100$ .

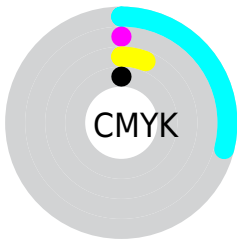
# Distribution



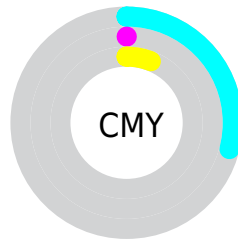
- Red (71%)
- Green (100%)
- Blue (94%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 230.8650, -39.8850, -20.5650 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 230.8650, -39.8850, -20.5650 by changing the saturation by 10% instead.



■ 230.8650,  
-39.8850, -20.5650

■ 230.8650,  
-39.8850, -20.5650

■ 255.0000, -0.0000,  
-0.0000

■ 202.2780,  
-39.6100, -20.0420

■ 249.6180,  
-10.7280, -3.8160

■ 174.5770,  
-39.0140, -19.8300

■ 147.5770,  
-39.0140, -19.8300

■ 120.6910,  
-39.3350, -19.5190

■ 94.2070, -40.8480,  
-19.6320

■ 66.0320, -47.7250,  
-21.6530

■ 47.2290, -37.9140,

-17.7380

■ 31.2200, -24.5270,  
-12.5510

■ 17.0860, -12.2860,  
-8.6220

■ 230.8650,  
-39.8850, -20.5650

■ 230.8650,  
-39.8850, -20.5650

■ 222.5210,  
-53.7760, -27.6320

■ 238.9100,  
-26.5900, -13.7100

■ 214.4760,  
-67.0710, -34.4870

■ 247.2540,  
-12.6990, -6.6430

■ 206.1320,  
-80.9620, -41.5540

255.0000, -0.0000,  
-0.0000

■ 198.0870,  
-94.2570, -48.4090

■ 189.6290,  
-107.8270, -55.7870

■ 181.5840,  
-121.1220, -62.6420

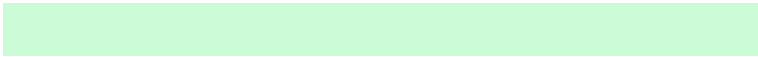
■ 173.2400,  
-135.0130, -69.7090

■ 172.9410,  
-135.6090, -69.9210

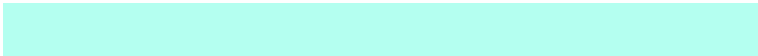
# Harmonies

## Analogous

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



233.1310, -17.3270, -21.8950



230.8650, -39.8850, -20.5650



229.2970, -49.7890, -17.2850

# Triad

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



230.8650, -39.8850, -20.5650



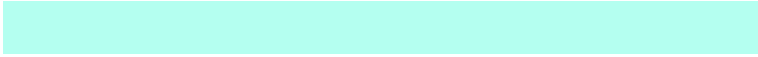
239.6830, -0.1850, 8.8630



234.3000, 25.2180, -5.4860

# Complementary

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



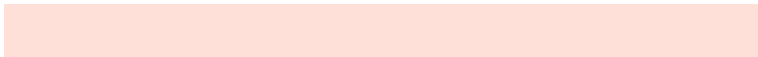
230.8650, -39.8850, -20.5650



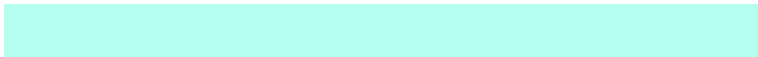
204.1350, 39.8850, 20.5650

# 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.



232.3570, 21.0440, 4.0840



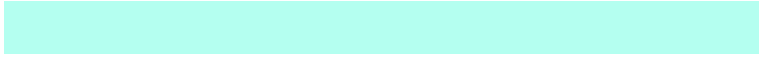
230.8650, -39.8850, -20.5650



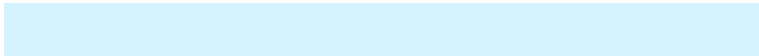
237.9770, 7.9750, 15.1670

# Square

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



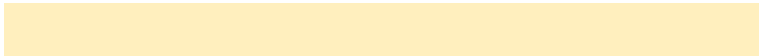
230.8650, -39.8850, -20.5650



235.0990, -22.3280, -2.8400



234.6200, 13.2940, 12.3820

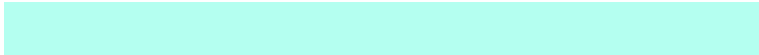


238.1980, 25.2650, -11.8470



# Rectangle

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



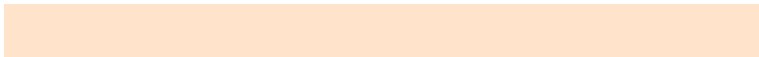
230.8650, -39.8850, -20.5650



229.9170, -45.6630, -14.9670



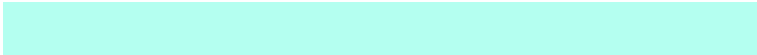
234.6200, 13.2940, 12.3820



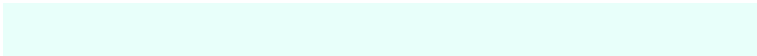
233.2230, 24.1170, -2.0510

# Sweetspot

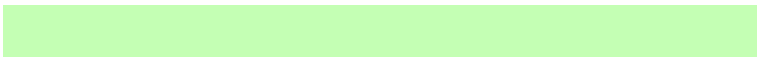
The Sweet Spot groups the original color and five complimentary colors.



230.8650, -39.8850, -20.5650



247.5530, -12.1030, -6.4310



228.8090, -11.0890, -35.8330



123.1730, -7.9770, -4.1130



0.0000, 0.0000, 0.0000

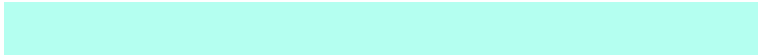


128.0000, -0.0000, -0.0000

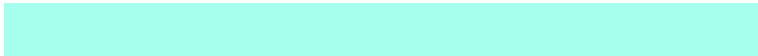


# Same Dimension

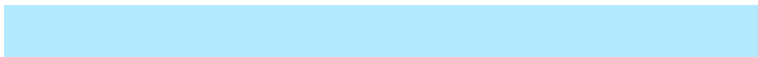
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230.8650, -39.8850, -20.5650



226.3370, -47.2660, -24.4660



220.2480, -38.9250, -4.9170



123.7710, -6.7850, -3.6890



129.5590, -101.6380, -52.3100



43.3820, -33.9710, -17.6110



# Inverse Universe

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



204.1350, 39.8850, 20.5650



194.6630, 47.2660, 24.4660



214.7520, 38.9250, 4.9170



119.1150, 7.1060, 3.3780



61.4410, 101.6380, 52.3100

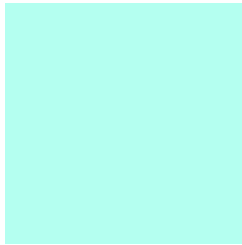


20.6180, 33.9710, 17.6110



# Previews

## White Background



This preview shows how the YIQ color 230.8650, -39.8850, -20.5650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

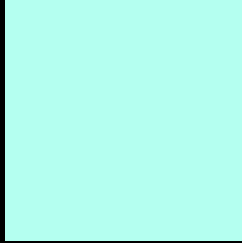
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 230.8650, -39.8850, -20.5650 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

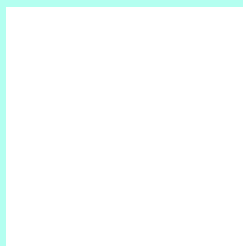
Any Text WCAG AAA ✓ Pass

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

# YIQ 230.8650, -39.8850, -20.5650 Background



This preview shows how black text looks on a background with the YIQ color 230.8650, -39.8850, -20.5650.



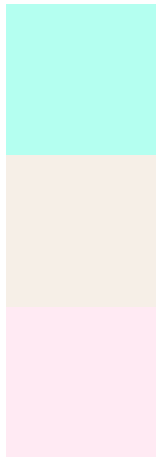
This preview shows how white text looks on a background with the YIQ color 230.8650, -39.8850, -20.5650.

-20.5650.

# 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

230.8650, -39.8850, -20.5650

### Protanopia

240.1810, 6.7400, -1.0040

### Deuteranopia

241.3050, 9.6270, 7.2510



## Tritanopia

237.4690, -20.4940, -3.0380

# Trichromacy



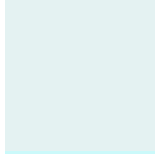
## Original Color

230.8650, -39.8850, -20.5650



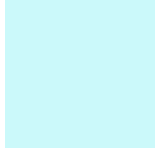
## Protanomaly

236.8690, -10.1770, -8.2970



## Deuteranomaly

237.8140, -8.3440, -2.9680



## Tritanomaly

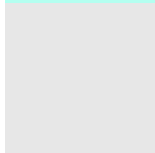
235.3600, -27.7370, -9.4410

# Monochromacy



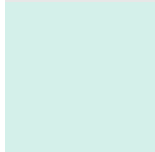
## Original Color

230.8650, -39.8850, -20.5650



## Achromatopsia

231.0000, -0.0000, -0.0000



## Achromatomaly

230.9440, -14.7620, -7.8020

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 230.8650, -39.8850, -20.5650 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(180, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 240)  
}
```

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(180, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 240) }
```

## Border

The CSS property to change the border of an element to YIQ 230.8650, -39.8850, -20.5650 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(180, 255, 240) }
```



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

```
.border{ border-color:rgb(180, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to YIQ 230.8650, -39.8850, -20.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 240) }
```

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

```
.background{ background-color: rgb(180,  
255, 240) }
```

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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