

# Converting Colors

YIQ(222.3880, -34.1080,  
-20.6360)

Have a look what the booklet for  
YIQ(222.3880, -34.1080, -20.6360)  
contains.

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# Color

**YIQ(222.3880, -34.1080,  
-20.6360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F5E1
RGB	177, 245, 225
RGB Percent	69%, 96%, 88%
CMY	0.3060, 0.0391, 0.1178
CMYK	0.28, 0.00, 0.08, 0.04
HSL	162°, 77%, 83%
HSV	162°, 28%, 96%
XYZ	64.3688, 80.0986, 83.2803
YIQ	222.3880, -34.1080, -20.6360

# Conversions

## Conversions Part 2

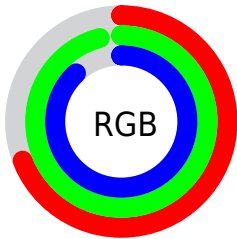
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 217, 245
Decimal	11662817
CIELab	91.73, -25.26, 2.84
CIElCh	92, 25.423, 173.596
Yxy	80.0986, 0.2826, 0.3517
Android (android.graphics.Color)	4289852897 (0xFFB1F5E1)
YUV	222.3880, 1.2877, -39.8053
Hunter-Lab	89.4978, -28.2399, 7.4774

# Details

The YIQ color **222.3880, -34.1080, -20.6360** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **199.6120, 34.1080, 20.6360**, and the grayscale version is **222.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **248.7210, -12.5160, -4.4520**, and **166.8010, -33.8330, -20.1130** is the 20% darker color. If you saturate the color by 10%, you get **214.1150, -46.7610, -28.1130**, and if you desaturate by 10%, it is **230.3620, -22.0510, -13.3710**.

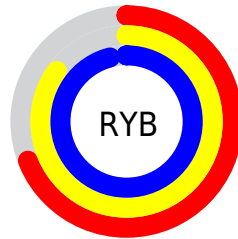
# Distribution



Red (69%)

Green (96%)

Blue (88%)



Red (69%)

Yellow (85%)

Blue (96%)

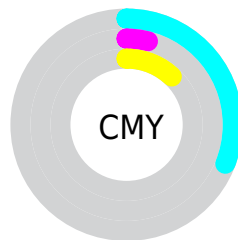


Cyan (28%)

Magenta (0%)

Yellow (8%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 222.3880, -34.1080, -20.6360 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 222.3880, -34.1080, -20.6360 by changing the saturation by 10% instead.



■ 222.3880,  
-34.1080, -20.6360

■ 222.3880,  
-34.1080, -20.6360

255.0000, -0.0000,  
-0.0000

■ 193.8010,  
-33.8330, -20.1130

■ 248.7210,  
-12.5160, -4.4520

■ 166.8010,  
-33.8330, -20.1130

■ 139.5130,  
-32.9620, -19.3780

■ 113.6270,  
-33.2830, -19.0670

■ 87.4420, -34.2000,  
-18.9680

■ 61.4630, -38.6930,  
-20.1410

■ 41.1650, -31.8620,

-17.2860

■ 25.9710, -19.3920,  
-12.0000

■ 7.0440, -3.3000,  
-6.2760

■ 222.3880,  
-34.1080, -20.6360

■ 222.3880,  
-34.1080, -20.6360

■ 214.1150,  
-46.7610, -28.1130

■ 230.3620,  
-22.0510, -13.3710

■ 206.1410,  
-58.8180, -35.3780

■ 238.6350, -9.3980,  
-5.8940

■ 197.7540,  
-71.1500, -43.1660

■ 246.7230, 2.3380,  
1.6820

■ 189.7800,  
-83.2070, -50.4310

■ 249.0160, 3.0710,  
4.9190

■ 181.5070,  
-95.8600, -57.9080

■ 249.1300, 2.7500,  
5.2300

■ 173.5330,  
-107.9170, -65.1730

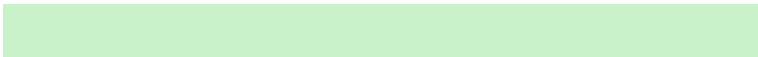
■ 165.1460,  
-120.2490, -72.9610

■ 163.5370,  
-122.9080, -74.3320

# Harmonies

## Analogous

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



225.1810, -11.5960, -21.1320



222.3880, -34.1080, -20.6360



221.3510, -49.8810, -15.6170

# Triad

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



222.3880, -34.1080, -20.6360



230.7900, -7.7960, 9.1320



227.3870, 29.5270, -0.9770

# Complementary

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



222.3880, -34.1080, -20.6360



199.6120, 34.1080, 20.6360

# 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.



226.7320, 24.4820, 7.8580



222.3880, -34.1080, -20.6360



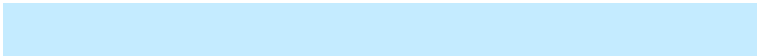
233.8680, 9.9000, 18.8280

# Square

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



222.3880, -34.1080, -20.6360



225.6190, -29.6640, -2.0480



228.9950, 16.7320, 16.1560



230.9430, 30.5370, -8.2710

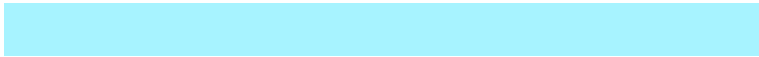


# Rectangle

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



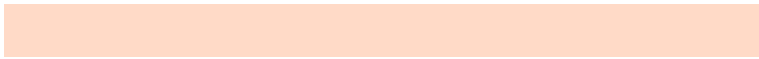
222.3880, -34.1080, -20.6360



221.6440, -49.1480, -12.3800



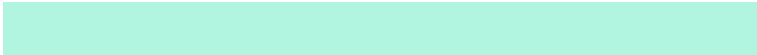
228.9950, 16.7320, 16.1560



226.8970, 28.1510, 1.9350

# Sweetspot

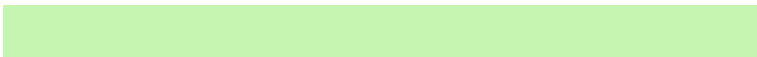
The Sweet Spot groups the original color and five complimentary colors.



222.3880, -34.1080, -20.6360



248.3360, -9.9940, -6.1060



222.8960, -6.7800, -31.3240



123.6570, -6.4640, -4.0000



0.0000, 0.0000, 0.0000

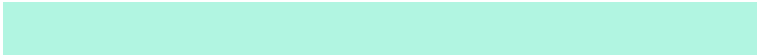


128.0000, -0.0000, -0.0000

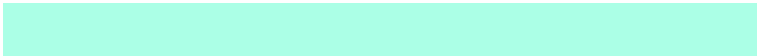


# Same Dimension

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



222.3880, -34.1080, -20.6360



227.0340, -42.0390, -25.5830



216.4500, -36.6780, -7.0940



118.0700, -6.1890, -3.4770



124.1160, -93.2010, -56.5370



39.3070, -29.3860, -18.1060



# Inverse Universe

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



199.6120, 34.1080, 20.6360



198.9660, 42.0390, 25.5830



205.5500, 36.6780, 7.0940



114.0440, 5.8680, 3.7880



61.8840, 93.2010, 56.5370

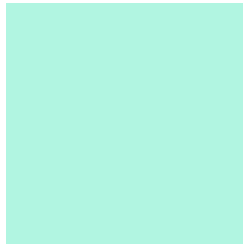


19.5790, 29.7070, 17.7950



# Previews

## White Background



This preview shows how the YIQ color 222.3880, -34.1080, -20.6360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

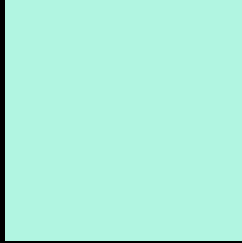
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 222.3880, -34.1080, -20.6360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

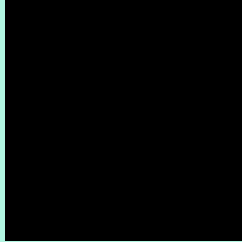
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

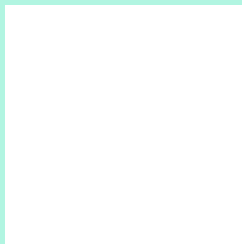
Any Text WCAG AAA ✓ Pass

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

# YIQ 222.3880, -34.1080, -20.6360 Background



This preview shows how black text looks on a background with the YIQ color 222.3880, -34.1080, -20.6360.



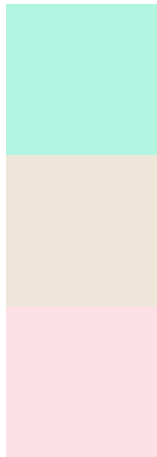
This preview shows how white text looks on a background with the YIQ color 222.3880, -34.1080, -20.6360.

-20.6360.

# 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

222.3880, -34.1080, -20.6360

### Protanopia

230.7960, 9.2620, -2.6580

### Deuteranopia

232.7680, 15.6330, 8.5370



## Tritanopia

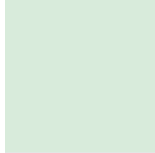
226.7710, -33.1480, -4.9880

# Trichromacy



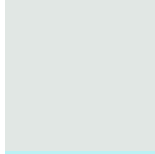
## Original Color

222.3880, -34.1080, -20.6360



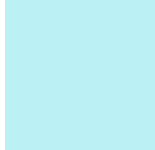
## Protanomaly

227.4950, -6.1880, -9.0040



## Deuteranomaly

228.8640, -2.6130, -2.2050



## Tritanomaly

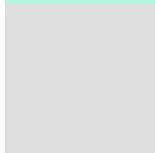
225.1960, -33.1470, -10.5150

# Monochromacy



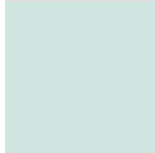
## Original Color

222.3880, -34.1080, -20.6360



## Achromatopsia

222.0000, -0.0000, 0.0000



## Achromatomaly

222.0260, -12.0570, -7.2650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 222.3880, -34.1080, -20.6360 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(177, 245, 225)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 225)  
}
```

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(177, 245, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 222.3880, -34.1080, -20.6360 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".

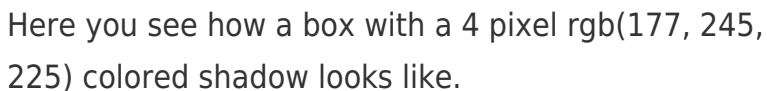
```
.border, #border, table{ border:4px solid rgb(177, 245, 225) }
```



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

```
.border{ border-color:rgb(177, 245, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 245, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 245, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 245, 225); box-shadow:4px 4px 4px 4px rgb(177, 245, 225) }
```

# Background

The CSS property to change the background color of an element to YIQ 222.3880, -34.1080, -20.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 225) }
```

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

```
.background{ background-color: rgb(177,  
245, 225) }
```

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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