

# Converting Colors

YIQ(206.6810, -41.4020, 1.4300)

Have a look what the booklet for  
YIQ(206.6810, -41.4020, 1.4300)  
contains.

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# Color

**YIQ(206.6810, -41.4020,  
1.4300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8D9FF
RGB	168, 217, 255
RGB Percent	66%, 85%, 100%
CMY	0.3413, 0.1489, 0.0002
CMYK	0.34, 0.15, 0.00, 0.00
HSL	206°, 100%, 83%
HSV	206°, 34%, 100%
XYZ	59.0036, 65.1754, 104.0363
YIQ	206.6810, -41.4020, 1.4300

# Conversions

## Conversions Part 2

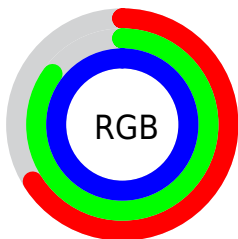
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 199, 255
Decimal	11065855
CIE Lab	84.57, -6.98, -23.58
CIE LCh	85, 24.595, 253.517
Yxy	65.1754, 0.2585, 0.2856
Android (android.graphics.Color)	4289255935 (0xFFA8D9FF)
YUV	206.6810, 23.8213, -33.9232
Hunter-Lab	80.7313, -10.8205, -19.8936

# Details

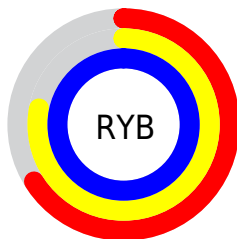
The YIQ color **206.6810, -41.4020, 1.4300** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **216.3190, 41.4020, -1.4300**, and the grayscale version is **206.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **246.0300, -17.8800, -6.3600**, and **151.4530, -40.7600, 0.8080** is the 20% darker color. If you saturate the color by 10%, you get **192.4500, -53.8730, 1.6710**, and if you desaturate by 10%, it is **220.6130, -29.5270, 0.9770**.

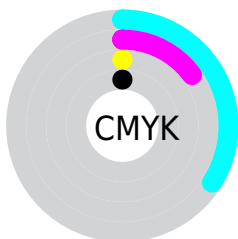
# Distribution



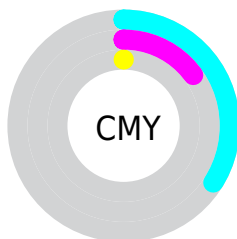
- Red (66%)
- Green (85%)
- Blue (100%)



- Red (66%)
- Yellow (78%)
- Blue (100%)



- Cyan (34%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.6810, -41.4020, 1.4300 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 206.6810, -41.4020, 1.4300 by changing the saturation by 10% instead.



■ 206.6810,  
-41.4020, 1.4300

■ 206.6810,  
-41.4020, 1.4300

■ 255.0000, -0.0000,  
-0.0000

■ 178.5670,  
-41.0810, 1.1190

■ 246.0300,  
-17.8800, -6.3600

■ 151.4530,  
-40.7600, 0.8080

■ 254.7010, -0.5960,  
-0.2120

■ 125.0400,  
-41.0350, 0.2850

■ 99.2140, -41.5850,  
-0.7610

■ 72.3060, -44.8400,  
-2.3440

■ 47.6970, -47.4990,  
-3.7150

■ 32.0470, -33.7450,

0.3270

■ 17.6850, -20.8620,  
3.6340

■ 3.5510, -8.6210,  
7.5630

■ 206.6810,  
-41.4020, 1.4300

■ 206.6810,  
-41.4020, 1.4300

■ 192.4500,  
-53.8730, 1.6710

■ 220.6130,  
-29.5270, 0.9770

■ 178.5180,  
-65.7480, 2.1240

■ 234.8440,  
-17.0560, 0.7360

■ 164.2870,  
-78.2190, 2.3650

■ 248.7760, -5.1810,  
0.2830

■ 150.3550,  
-90.0940, 2.8180

■ 255.0000, -0.0000,  
-0.0000

■ 135.8360,  
-101.6940, 3.7940

■ 121.6050,  
-114.1650, 4.0350

■ 113.5980,  
-121.4550, 3.9930

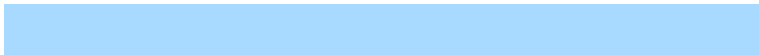
# Harmonies

## Analogous

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



202.4530, -49.9280, -9.2560



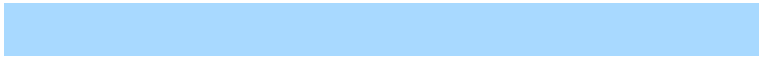
206.6810, -41.4020, 1.4300



211.5420, -21.5970, 11.4510

# Triad

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



206.6810, -41.4020, 1.4300



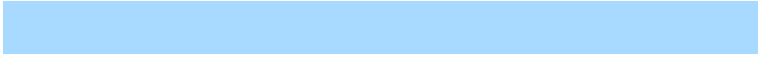
213.6240, 33.8340, 14.5860



205.8400, -3.2060, -18.9980

# Complementary

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



206.6810, -41.4020, 1.4300



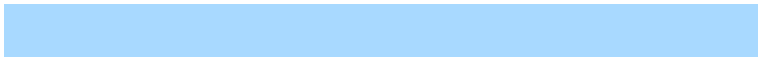
216.3190, 41.4020, -1.4300

# 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.



209.1370, 18.0670, -13.5570



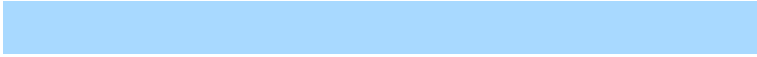
206.6810, -41.4020, 1.4300



212.9910, 39.7500, 6.4860

# Square

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



206.6810, -41.4020, 1.4300



215.4520, 22.8750, 20.4670



211.4320, 33.6540, -4.1860

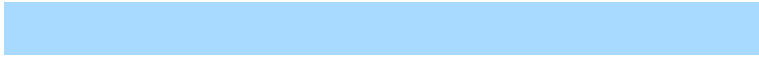


202.9930, -25.6260, -20.1700



# Rectangle

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



206.6810, -41.4020, 1.4300



213.7290, -5.8260, 17.4860



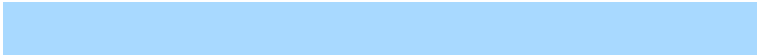
211.4320, 33.6540, -4.1860



206.7870, 4.3130, -17.5990

# Sweetspot

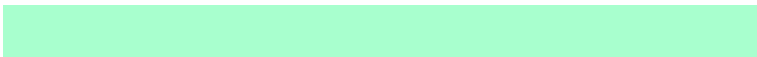
The Sweet Spot groups the original color and five complimentary colors.



206.6810, -41.4020, 1.4300



241.0680, -11.8750, 0.4530



223.4010, -36.1230, -33.6830



119.1070, -7.6110, 0.2690



0.0000, 0.0000, 0.0000

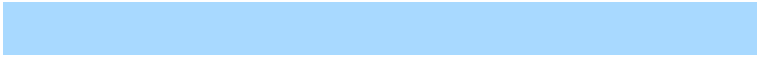


128.0000, -0.0000, -0.0000

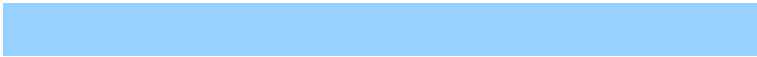


# Same Dimension

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



206.6810, -41.4020, 1.4300



196.6030, -49.9300, 1.7980



181.4400, -29.5770, 23.9190



120.5910, -6.0980, 0.3820



85.1700, -91.0110, 2.9170



28.4280, -30.4440, 1.0760



# Inverse Universe

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



199.5990, 36.1230, 33.6830



188.1210, 43.6410, 40.6090



241.5600, 29.5770, -23.9190



119.6850, 5.5010, 4.9330



69.4210, 79.1680, 74.0800

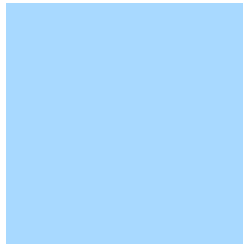


23.2400, 26.5880, 24.7640



# Previews

## White Background



This preview shows how the YIQ color 206.6810, -41.4020, 1.4300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

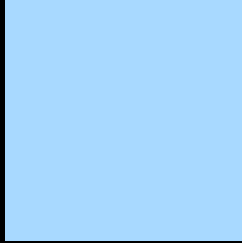
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 206.6810, -41.4020, 1.4300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

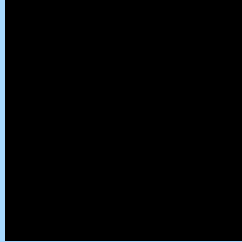
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

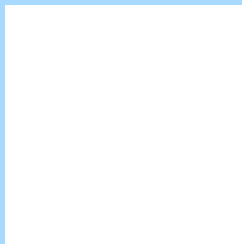
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 206.6810, -41.4020, 1.4300

## Background



This preview shows how black text looks on a background with the YIQ color 206.6810, -41.4020, 1.4300.



This preview shows how white text looks on a background with the YIQ color 206.6810, -41.4020,



# 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

206.6810, -41.4020, 1.4300

### Protanopia

211.4670, -17.0120, 10.9560

### Deuteranopia

212.1840, -14.5370, 15.6630



## Tritanopia

205.3080, -39.1540, -6.2740

# Trichromacy



## Original Color

206.6810, -41.4020, 1.4300

## Protanomaly

209.8680, -25.6310, 7.4650

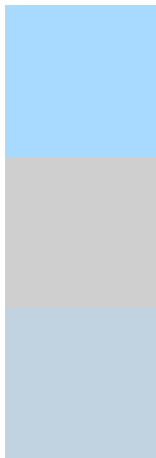
## Deuteranomaly

210.0470, -24.5770, 10.3910

## Tritanomaly

205.7040, -40.2090, -3.6730

# Monochromacy



## Original Color

206.6810, -41.4020, 1.4300

## Achromatopsia

207.0000, 0.0000, -0.0000

## Achromatomaly

207.1000, -14.9010, 0.2270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.6810, -41.4020, 1.4300 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(168, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 217, 255)  
}
```

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(168, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 217, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 206.6810, -41.4020, 1.4300 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(168, 217, 255) }
```



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

```
.border{ border-color:rgb(168, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 217,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.6810, -41.4020, 1.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 217, 255) }
```

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

```
.background{ background-color: rgb(168,  
217, 255) }
```

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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