

# Converting Colors

YIQ(186.6910, -20.9990, 0.6090)

Have a look what the booklet for  
YIQ(186.6910, -20.9990, 0.6090)  
contains.

<b>YIQ(186.6910, -20.9990, 0.6090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(186.6910, -20.9990,  
0.6090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7C0D3
RGB	167, 192, 211
RGB Percent	65%, 75%, 83%
CMY	0.3451, 0.2470, 0.1726
CMYK	0.21, 0.09, 0.00, 0.17
HSL	206°, 33%, 74%
HSV	206°, 21%, 83%
XYZ	46.5405, 50.6200, 68.9293
YIQ	186.6910, -20.9990, 0.6090

# Conversions

## Conversions Part 2

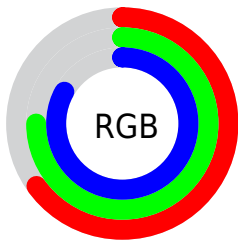
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	167, 183, 211
Decimal	10993875
CIE <sub>Lab</sub>	76.45, -4.39, -12.34
CIE <sub>LCh</sub>	76, 13.093, 250.415
Yxy	50.6200, 0.2802, 0.3048
Android (android.graphics.Color)	4289183955 (0xFFA7C0D3)
YUV	186.6910, 11.9843, -17.2690
Hunter-Lab	71.1477, -7.7447, -7.6379

# Details

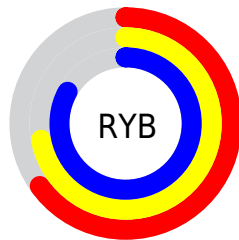
The YIQ color  $186.6910, -20.9990, 0.6090$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $191.3090, 20.9990, -0.6090$ , and the grayscale version is  $187.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $241.3230, -17.1470, -3.1230$ , and  $133.4630, -20.3570, -0.0130$  is the 20% darker color. If you saturate the color by 10%, you get  $175.1290, -31.0400, 0.8640$ , and if you desaturate by 10%, it is  $198.2530, -10.9580, 0.3540$ .

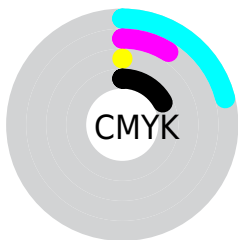
# Distribution



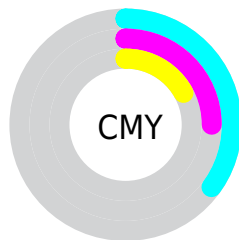
- Red (65%)
- Green (75%)
- Blue (83%)



- Red (65%)
- Yellow (72%)
- Blue (83%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (25%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.6910, -20.9990, 0.6090 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 186.6910, -20.9990, 0.6090 by changing the saturation by 10% instead.



■ 186.6910,  
-20.9990, 0.6090

■ 186.6910,  
-20.9990, 0.6090

■ 255.0000, -0.0000,  
-0.0000

■ 159.5770,  
-20.6780, 0.2980

■ 241.3230,  
-17.1470, -3.1230

■ 133.4630,  
-20.3570, -0.0130

■ 253.8040, -2.3840,  
-0.8480

■ 107.7620,  
-19.7610, 0.1990

■ 83.6480, -19.4400,  
-0.1120

■ 59.6480, -19.4400,  
-0.1120

■ 37.2350, -19.7150,  
-0.6350

■ 17.6050, -17.8810,

-0.8330

■ 2.2970, -5.0900,  
4.1420

■ 0.0000, 0.0000,  
0.0000

■ 186.6910,  
-20.9990, 0.6090

■ 186.6910,  
-20.9990, 0.6090

■ 175.1290,  
-31.0400, 0.8640

■ 198.2530,  
-10.9580, 0.3540

■ 163.5670,  
-41.0810, 1.1190

■ 209.8150, -0.9170,  
0.0990

■ 152.0050,  
-51.1220, 1.3740

■ 221.3770, 9.1240,  
-0.1560

■ 140.4430,  
-61.1630, 1.6290

■ 232.9390, 19.1650,  
-0.4110

■ 128.8810,  
-71.2040, 1.8840

■ 239.4180, 19.0740,  
-4.2700

■ 116.4330,  
-81.5660, 2.4500

■ 245.2880, 16.3240,  
-9.5000

■ 104.8710,  
-91.6070, 2.7050

■ 249.9840, 14.1240,  
-13.6840

■ 94.4940,  
-100.7310, 2.8610

# Harmonies

## Analogous

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



185.2620, -24.3450, -4.8330



186.6910, -20.9990, 0.6090



188.6430, -11.8760, 5.9800

# Triad

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



186.6910, -20.9990, 0.6090



190.7360, 18.6590, 8.7630



186.4910, -0.3650, -9.9090

# Complementary

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



186.6910, -20.9990, 0.6090



191.3090, 20.9990, -0.6090

# 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.



187.7590, 10.6840, -6.4040



186.6910, -20.9990, 0.6090



190.2430, 21.3650, 3.7730

# Square

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



186.6910, -20.9990, 0.6090



190.8970, 10.9560, 10.7000



189.1130, 18.6150, -1.4570



184.9180, -11.8730, -10.6010



# Rectangle

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



186.6910, -20.9990, 0.6090



189.5300, -4.1280, 8.7360



189.1130, 18.6150, -1.4570



187.1710, 3.5320, -8.9480

# Sweetspot

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



186.6910, -20.9990, 0.6090



246.4060, -7.0150, 0.4810



194.8800, -17.8780, -17.4140



122.9610, -4.2640, 0.1840



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

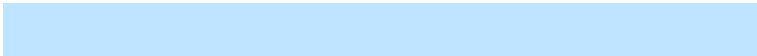


# Same Dimension

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



186.6910, -20.9990, 0.6090



220.0150, -30.7190, 0.5530



174.3640, -15.2240, 11.5920



98.7760, -5.1810, 0.2830



75.5040, -80.3280, 2.0400



18.1750, -19.4860, 0.7220



# Inverse Universe

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



183.0060, 18.1990, 17.1030



214.3540, 26.2670, 25.0750



203.6360, 15.2240, -11.5920



97.9730, 4.6300, 4.1980



61.1760, 69.3120, 65.4720

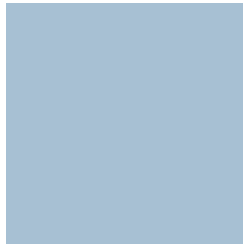


14.8810, 17.0530, 15.8450



# Previews

## White Background



This preview shows how the YIQ color 186.6910, -20.9990, 0.6090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

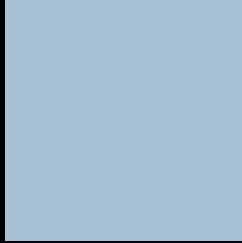
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.6910, -20.9990, 0.6090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

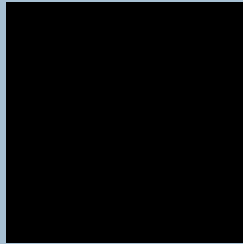
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

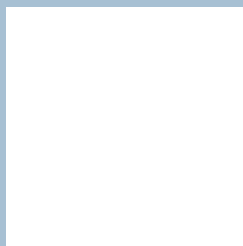
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 186.6910, -20.9990, 0.6090

## Background



This preview shows how black text looks on a background with the YIQ color 186.6910, -20.9990, 0.6090.



This preview shows how white text looks on a background with the YIQ color 186.6910, -20.9990,

0.6090.

# 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

186.6910, -20.9990, 0.6090

### Protanopia

189.0950, -7.3370, 6.3190

### Deuteranopia

190.0080, -2.4780, 11.8740



## Tritanopia

186.6370, -20.9070, -1.0590

# Trichromacy



## Original Color

186.6910, -20.9990, 0.6090

## Protanomaly

188.2900, -12.3800, 4.1000

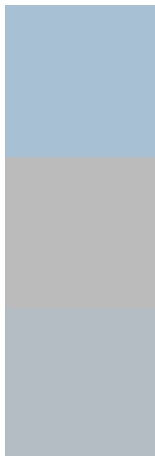
## Deuteranomaly

188.6650, -8.9420, 7.8740

## Tritanomaly

186.7510, -21.2280, -0.7480

# Monochromacy



## Original Color

186.6910, -20.9990, 0.6090

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

187.1070, -7.6110, 0.2690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.6910, -20.9990, 0.6090 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(167, 192, 211)` looks like.

```
.text, #text, p{  
    color:rgb(167, 192, 211)  
}
```

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(167, 192, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 192, 211) }
```

## Border

The CSS property to change the border of an element to YIQ 186.6910, -20.9990, 0.6090 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".

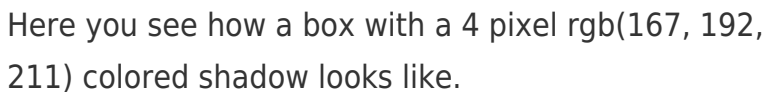
```
.border, #border, table{ border:4px solid rgb(167, 192, 211) }
```



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

```
.border{ border-color:rgb(167, 192, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 192, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 192, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 192, 211); box-shadow:4px 4px 4px 4px rgb(167, 192, 211) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.6910, -20.9990, 0.6090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 192, 211) }
```

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

```
.background{ background-color: rgb(167,  
192, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor