

# Converting Colors

YIQ(186.8110, -20.3160,  
26.7880)

Have a look what the booklet for  
YIQ(186.8110, -20.3160, 26.7880)  
contains.

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# Color

**YIQ(186.8110, -20.3160,  
26.7880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8AFFF
RGB	184, 175, 255
RGB Percent	72%, 69%, 100%
CMY	0.2783, 0.3137, 0.0001
CMYK	0.28, 0.31, 0.00, 0.00
HSL	247°, 100%, 84%
HSV	247°, 31%, 100%
XYZ	53.1449, 48.0688, 101.0542
YIQ	186.8110, -20.3160, 26.7880

# Conversions

## Conversions Part 2

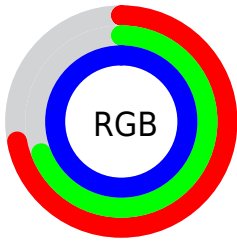
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 175, 255
Decimal	12103679
CIELab	74.87, 20.24, -38.42
CIELCh	75, 43.425, 297.788
Yxy	48.0688, 0.2627, 0.2376
Android (android.graphics.Color)	4290293759 (0xFFB8AFFF)
YUV	186.8110, 33.6172, -2.4652
Hunter-Lab	69.3317, 15.4955, -37.8858

# Details

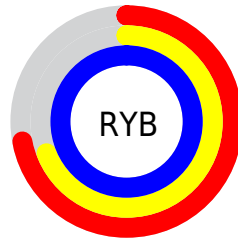
The YIQ color  $186.8110, -20.3160, 26.7880$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $243.1890, 20.3160, -26.7880$ , and the grayscale version is  $186.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $236.7260, -1.7440, 9.5840$ , and  $133.3440, -20.4990, 24.5970$  is the 20% darker color. If you saturate the color by 10%, you get  $165.2590, -27.1490, 34.9870$ , and if you desaturate by 10%, it is  $208.3630, -13.4830, 18.5890$ .

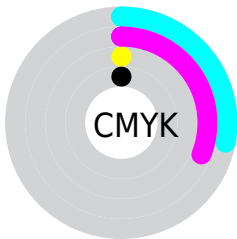
# Distribution



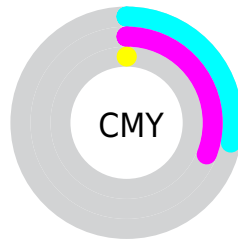
- Red (72%)
- Green (69%)
- Blue (100%)



- Red (72%)
- Yellow (69%)
- Blue (100%)



- Cyan (28%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.8110, -20.3160, 26.7880 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 186.8110, -20.3160, 26.7880 by changing the saturation by 10% instead.



■ 186.8110,  
-20.3160, 26.7880

■ 186.8110,  
-20.3160, 26.7880

■ 255.0000, -0.0000,  
-0.0000

■ 159.2840,  
-20.2700, 25.9540

■ 236.7260, -1.7440,  
9.5840

■ 133.3440,  
-20.4990, 24.5970

■ 107.4040,  
-20.7280, 23.2400

■ 82.5780, -21.2780,  
22.1940

■ 58.3390, -22.1030,  
20.6250

■ 34.4910, -25.5870,  
17.6850

■ 12.5620, -24.3490,

17.2750

■ 7.0050, -15.5910,  
12.7370

■ 3.3230, -7.9790,  
6.9410

■ 186.8110,  
-20.3160, 26.7880

■ 186.8110,  
-20.3160, 26.7880

■ 165.2590,  
-27.1490, 34.9870

■ 208.3630,  
-13.4830, 18.5890

■ 143.4190,  
-33.1110, 43.9210

■ 230.2030, -7.5210,  
9.6550

■ 121.8670,  
-39.9440, 52.1200

■ 251.7550, -0.6880,  
1.4560

■ 100.0270,  
-45.9060, 61.0540

■ 255.0000, -0.0000,  
-0.0000

■ 78.4750, -52.7390,  
69.2530

■ 56.3360, -59.2970,  
77.9750

■ 37.7410, -64.5710,  
85.4530

# Harmonies

## Analogous

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



174.9960, -64.0980, 5.2620



186.8110, -20.3160, 26.7880



189.7530, 21.1300, 35.5780

# Triad

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



186.8110, -20.3160, 26.7880



184.4370, 61.6210, 1.0850



159.6920, -76.6070, -37.8790

# Complementary

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



186.8110, -20.3160, 26.7880



243.1890, 20.3160, -26.7880

# 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.



171.0230, -26.3110, -35.2950



186.8110, -20.3160, 26.7880



181.6760, 44.1100, -17.4740

# Square

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



186.8110, -20.3160, 26.7880



184.2160, 61.5260, 19.3340



177.4870, 13.4850, -29.6430



145.4150, -126.9950, -38.7950



# Rectangle

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



186.8110, -20.3160, 26.7880



188.4750, 42.4040, 35.4920



177.4870, 13.4850, -29.6430



164.3860, -58.1300, -36.8340

# Sweetspot

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



186.8110, -20.3160, 26.7880



235.5190, -5.5950, 7.7890



226.3840, -45.4800, -12.7760



115.3080, -3.6230, 5.0890



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.



186.8110, -20.3160, 26.7880



172.3470, -24.5810, 32.4990



198.4720, 2.9280, 35.0560



116.7810, -3.5770, 4.2550



28.3520, -48.1990, 64.0650



9.3890, -16.3720, 21.3880



# Inverse Universe

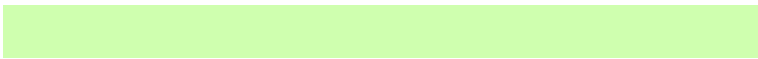
The Inverse Universe completely reimagines the original color for something new.



207.0140, 24.8890, 39.0410



196.8070, 30.2060, 47.3100



231.5280, -2.9280, -35.0560



120.1410, 4.2170, 6.1770



76.4890, 59.2660, 93.3620

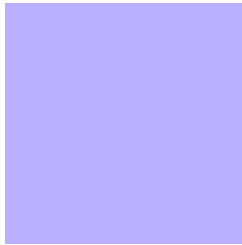


25.6340, 19.8470, 31.2950



# Previews

## White Background



This preview shows how the YIQ color 186.8110, -20.3160, 26.7880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

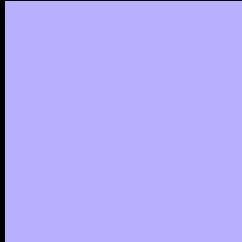
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.8110, -20.3160, 26.7880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

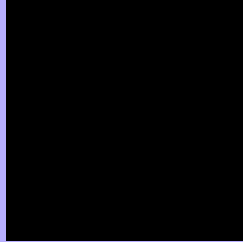
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 186.8110, -20.3160, 26.7880

## Background



This preview shows how black text looks on a background with the YIQ color 186.8110, -20.3160, 26.7880.



This preview shows how white text looks on a background with the YIQ color 186.8110, -20.3160,

26.7880.

# 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

186.8110, -20.3160, 26.7880

### Protanopia

184.3420, -35.3530, 18.4630

### Deuteranopia

184.2280, -35.0320, 18.1520



## Tritanopia

183.7090, -12.2420, 1.5980

# Trichromacy



## Original Color

186.8110, -20.3160, 26.7880

## Protanomaly

184.9730, -29.7600, 21.7280

## Deuteranomaly

184.8590, -29.4390, 21.4170

## Tritanomaly

184.8370, -15.1780, 10.7580

# Monochromacy



## Original Color

186.8110, -20.3160, 26.7880

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

187.2030, -7.5210, 9.6550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.8110, -20.3160, 26.7880 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(184, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 175, 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(184, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 175, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 186.8110, -20.3160, 26.7880 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(184, 175, 255) }
```



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

```
.border{ border-color:rgb(184, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 175,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.8110, -20.3160, 26.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 175, 255) }
```

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

```
.background{ background-color: rgb(184,  
175, 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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