

# Converting Colors

YIQ(185.9860, -22.6070,  
18.7450)

Have a look what the booklet for  
YIQ(185.9860, -22.6070, 18.7450)  
contains.

<b>YIQ(185.9860, -22.6070, 18.7450)</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(185.9860, -22.6070,  
18.7450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0B4F3
RGB	176, 180, 243
RGB Percent	69%, 71%, 95%
CMY	0.3098, 0.2941, 0.0472
CMYK	0.28, 0.26, 0.00, 0.05
HSL	236°, 74%, 82%
HSV	236°, 28%, 95%
XYZ	50.4002, 48.3432, 91.4408
YIQ	185.9860, -22.6070, 18.7450

# Conversions

## Conversions Part 2

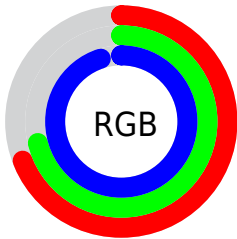
Format	Color
R <sub>Y</sub> B	176, 180, 243
Decimal	11580659
CIE Lab	75.04, 12.28, -31.73
CIE LCh	75, 34.021, 291.165
Yxy	48.3432, 0.2650, 0.2542
Android (android.graphics.Color)	4289770739 (0xFFB0B4F3)
YUV	185.9860, 28.1079, -8.7577
Hunter-Lab	69.5293, 7.7143, -29.3043

# Details

The YIQ color  $185.9860, -22.6070, 18.7450$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $233.0140, 22.6070, -18.7450$ , and the grayscale version is  $186.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $237.2690, -7.8870, 5.2730$ , and  $132.3450, -22.2400, 17.6000$  is the 20% darker color. If you saturate the color by 10%, you get  $165.3090, -30.5860, 25.6860$ , and if you desaturate by 10%, it is  $206.6630, -14.6280, 11.8040$ .

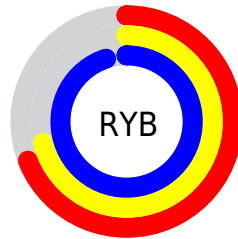
# Distribution



Red (69%)

Green (71%)

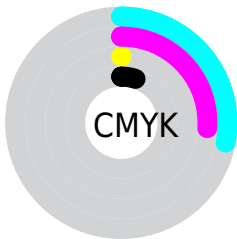
Blue (95%)



Red (69%)

Yellow (71%)

Blue (95%)

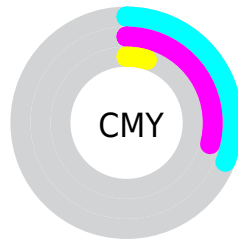


Cyan (28%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (29%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 185.9860, -22.6070, 18.7450 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 185.9860, -22.6070, 18.7450 by changing the saturation by 10% instead.



■ 185.9860,  
-22.6070, 18.7450

■ 185.9860,  
-22.6070, 18.7450

■ 255.0000, -0.0000,  
-0.0000

■ 158.7580,  
-21.9650, 18.1230

■ 237.2690, -7.8870,  
5.2730

■ 132.3450,  
-22.2400, 17.6000

■ 106.7040,  
-21.8730, 16.4550

■ 81.8780, -22.4230,  
15.4090

■ 58.6390, -23.2480,  
13.8400

■ 34.7910, -26.7320,  
10.9000

■ 14.4710, -22.8350,

11.8610

■ 5.3920, -12.4270,  
10.4610

■ 2.1830, -4.7690,  
3.8310

■ 185.9860,  
-22.6070, 18.7450

■ 185.9860,  
-22.6070, 18.7450

■ 165.3090,  
-30.5860, 25.6860

■ 206.6630,  
-14.6280, 11.8040

■ 144.3330,  
-39.1610, 32.4150

■ 227.6390, -6.0530,  
5.0750

■ 123.6560,  
-47.1400, 39.3560

■ 248.3160, 1.9260,  
-1.8660

■ 103.5660,  
-55.3940, 45.7740

■ 253.6320, 3.8520,  
-3.7320

■ 82.8890, -63.3730,  
52.7150

■ 61.9130, -71.9480,  
59.4440

■ 41.2360, -79.9270,  
66.3850

■ 35.9200, -81.8530,  
68.2510

# Harmonies

## Analogous

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



178.4330, -55.2030, 3.7490



185.9860, -22.6070, 18.7450



189.3230, 10.3570, 27.0690

# Triad

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



185.9860, -22.6070, 18.7450



185.9830, 51.3960, 4.6760



171.0120, -44.9730, -27.4770

# Complementary

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



185.9860, -22.6070, 18.7450



233.0140, 22.6070, -18.7450

# 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.



176.4210, -12.5120, -26.5600



185.9860, -22.6070, 18.7450



183.9670, 39.1570, -10.3070

# Square

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



185.9860, -22.6070, 18.7450



187.6430, 50.0180, 18.6420



180.9100, 16.9680, -21.1760



166.5760, -72.8040, -24.1960



# Rectangle

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



185.9860, -22.6070, 18.7450



189.7180, 28.2380, 27.9020



180.9100, 16.9680, -21.1760



172.8730, -34.3360, -27.5200

# Sweetspot

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



185.9860, -22.6070, 18.7450



237.8670, -6.6950, 5.6970



222.5110, -38.6480, -15.4480



117.0690, -4.4480, 3.5200



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.



185.9860, -22.6070, 18.7450



183.5110, -28.3390, 23.5090



192.3090, -4.2230, 26.9850



111.9550, -4.1270, 3.2090



27.6610, -62.7310, 52.0930



8.4870, -19.7640, 16.7800



# Inverse Universe

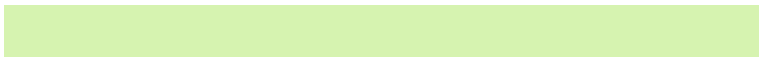
The Inverse Universe completely reimagines the original color for something new.



196.4890, 38.6480, 15.4480



196.6860, 48.4590, 19.3630



226.6910, 4.2230, -26.9850



113.7020, 6.8310, 2.8550



56.8680, 107.3250, 42.8530

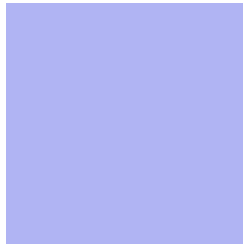


17.9830, 34.2010, 13.4410



# Previews

## White Background



This preview shows how the YIQ color 185.9860, -22.6070, 18.7450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

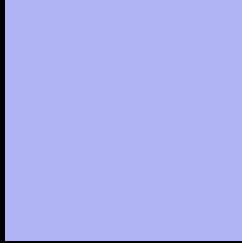
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 185.9860, -22.6070, 18.7450 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 185.9860, -22.6070, 18.7450

## Background



This preview shows how black text looks on a background with the YIQ color 185.9860, -22.6070, 18.7450.



This preview shows how white text looks on a background with the YIQ color 185.9860, -22.6070,



# 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

185.9860, -22.6070, 18.7450

### Protanopia

184.6970, -29.1630, 16.4130

### Deuteranopia

185.6650, -26.1370, 16.6390



## Tritanopia

183.6160, -16.4140, 0.1140

# Trichromacy



## Original Color

185.9860, -22.6070, 18.7450

## Protanomaly

184.8930, -26.7790, 17.2610

## Deuteranomaly

185.6760, -24.6700, 17.5860

## Tritanomaly

184.4620, -18.6160, 6.9840

# Monochromacy



## Original Color

185.9860, -22.6070, 18.7450

## Achromatopsia

186.0000, -0.0000, -0.0000

## Achromatomaly

186.0240, -8.5750, 6.7290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 185.9860, -22.6070, 18.7450 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(176, 180, 243)` looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 243)  
}
```

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(176, 180, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 243) }
```

## Border

The CSS property to change the border of an element to YIQ 185.9860, -22.6070, 18.7450 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(176, 180, 243) }
```



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

```
.border{ border-color:rgb(176, 180, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 180, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 180, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 180, 243);  
box-shadow:4px 4px 4px 4px rgb(176, 180,  
243) }
```

# Background

The CSS property to change the background color of an element to YIQ 185.9860, -22.6070, 18.7450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 243) }
```

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

```
.background{ background-color: rgb(176,  
180, 243) }
```

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