

# Converting Colors

YIQ(136.8810, -17.3370,  
33.3750)

Have a look what the booklet for  
YIQ(136.8810, -17.3370, 33.3750)  
contains.

<b>YIQ(136.8810, -17.3370, 33.3750)</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(136.8810, -17.3370,  
33.3750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8D78D5
RGB	141, 120, 213
RGB Percent	55%, 47%, 84%
CMY	0.4469, 0.5294, 0.1648
CMYK	0.34, 0.44, 0.00, 0.16
HSL	254°, 53%, 65%
HSV	254°, 44%, 84%
XYZ	29.7103, 23.8983, 65.9738
YIQ	136.8810, -17.3370, 33.3750

# Conversions

## Conversions Part 2

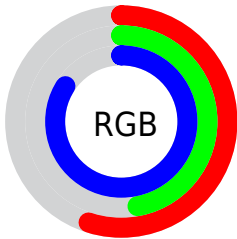
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	141, 120, 213
Decimal	9271509
CIE Lab	55.99, 29.05, -45.13
CIE LCh	56, 53.667, 302.771
Yxy	23.8983, 0.2485, 0.1998
Android (android.graphics.Color)	4287461589 (0xFF8D78D5)
YUV	136.8810, 37.5267, 3.6124
Hunter-Lab	48.8859, 22.9328, -45.7946

# Details

The YIQ color  $136.8810, -17.3370, 33.3750$  is a light color, and the websafe version is hex  $6666CC$ . A complement of this color would be  $196.1190, 17.3370, -33.3750$ , and the grayscale version is  $137.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $189.5240, -12.0180, 30.5900$ , and  $85.7020, -18.3910, 30.4490$  is the 20% darker color. If you saturate the color by 10%, you get  $119.7700, -21.0980, 40.9660$ , and if you desaturate by 10%, it is  $154.2910, -12.9800, 25.9960$ .

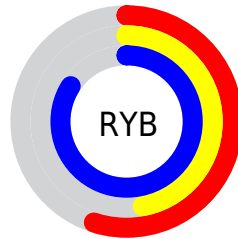
# Distribution



Red (55%)

Green (47%)

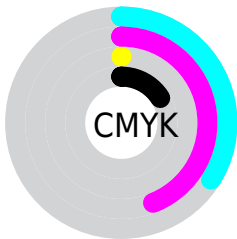
Blue (84%)



Red (55%)

Yellow (47%)

Blue (84%)

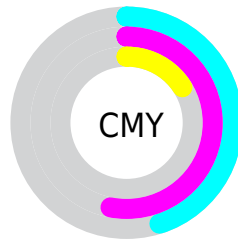


Cyan (34%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (45%)

Magenta (53%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.8810, -17.3370, 33.3750 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 136.8810, -17.3370, 33.3750 by changing the saturation by 10% instead.



■ 136.8810,  
-17.3370, 33.3750

■ 136.8810,  
-17.3370, 33.3750

■ 255.0000, -0.0000,  
-0.0000

■ 110.9410,  
-17.5660, 32.0180

■ 189.5240,  
-12.0180, 30.5900

■ 85.7020, -18.3910,  
30.4490

■ 214.0440, -2.1590,  
22.6170

■ 61.0500, -19.4910,  
28.3570

■ 239.1510, 7.4250,  
14.1210

■ 37.2020, -22.9750,  
25.4170

■ 12.7560, -27.6510,  
22.0530

■ 6.4980, -18.2970,  
17.7270

■ 5.1640, -11.7850,

9.8390

■ 1.0260, -2.8890,  
2.7990

■ 0.0000, 0.0000,  
0.0000

■ 136.8810,  
-17.3370, 33.3750

■ 136.8810,  
-17.3370, 33.3750

■ 119.7700,  
-21.0980, 40.9660

■ 154.2910,  
-12.9800, 25.9960

■ 101.7730,  
-25.1800, 48.8680

■ 171.9890, -9.4940,  
17.8820

■ 84.6620, -28.9410,  
56.4590

■ 189.1000, -5.7330,  
10.2910

■ 67.2520, -33.2980,  
63.8380

■ 206.5100, -1.3760,  
2.9120

■ 50.1410, -37.0590,  
71.4290

■ 223.6210, 2.3850,  
-4.6790

■ 38.6340, -39.7650,  
76.4190

■ 241.6180, 6.4670,  
-12.5810

■ 250.2120, 13.4820,  
-13.0620

# Harmonies

## Analogous

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



112.5650, -99.4930, 2.4510



136.8810, -17.3370, 33.3750



137.5850, 30.7110, 43.6630

# Triad

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



136.8810, -17.3370, 33.3750



131.0860, 66.8030, -4.7250



107.7770, -87.1520, -39.5040

# Complementary

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



136.8810, -17.3370, 33.3750



196.1190, 17.3370, -33.3750

# 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.



108.3290, -53.9560, -46.4040



136.8810, -17.3370, 33.3750



127.9500, 45.8540, -27.0580

# Square

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



136.8810, -17.3370, 33.3750



131.6150, 73.5840, 21.0720



123.3950, 7.5720, -38.1240



112.4340, -101.6430, -24.6750



# Rectangle

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



136.8810, -17.3370, 33.3750



134.5630, 54.1400, 43.0680



123.3950, 7.5720, -38.1240



105.3660, -81.7410, -43.9570

# Sweetspot

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



136.8810, -17.3370, 33.3750



227.8550, -6.4210, 11.7470



173.4530, -49.9280, -9.2560



110.8890, -3.7610, 7.5910



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.



136.8810, -17.3370, 33.3750



146.1320, -24.8130, 47.7230



150.6350, 10.0790, 43.1270



98.1510, -1.7430, 4.0570



31.1550, -31.6470, 61.4490



7.8920, -7.8430, 15.4930



# Inverse Universe

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



156.0150, 32.3160, 42.1080



173.5090, 46.2050, 60.2290



182.3650, -10.0790, -43.1270



100.3150, 3.6670, 5.1310



66.1770, 59.5440, 77.3040

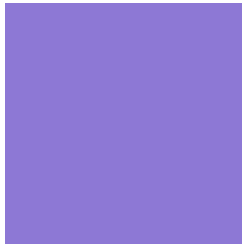


16.7330, 14.7140, 19.6900



# Previews

## White Background



This preview shows how the YIQ color 136.8810, -17.3370, 33.3750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

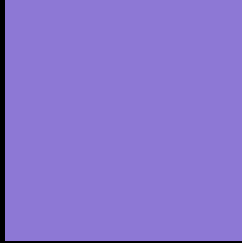
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 136.8810, -17.3370, 33.3750 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 × Fail

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

# YIQ 136.8810, -17.3370, 33.3750

## Background



This preview shows how black text looks on a background with the YIQ color 136.8810, -17.3370, 33.3750.



This preview shows how white text looks on a background with the YIQ color 136.8810, -17.3370,



# 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

136.8810, -17.3370, 33.3750

### Protanopia

131.0230, -50.3920, 21.1920

### Deuteranopia

130.7040, -48.2360, 15.1560



## Tritanopia

133.8620, -8.2990, 1.7250

# Trichromacy



## Original Color

136.8810, -17.3370, 33.3750

## Protanomaly

133.0030, -38.4720, 25.4320

## Deuteranomaly

132.9660, -37.0500, 21.6860

## Tritanomaly

135.1580, -11.6480, 12.8640

# Monochromacy



## Original Color

136.8810, -17.3370, 33.3750

## Achromatopsia

137.0000, -0.0000, 0.0000

## Achromatomaly

136.9690, -6.7420, 12.0580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.8810, -17.3370, 33.3750 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(141, 120, 213)` looks like.

```
.text, #text, p{  
    color:rgb(141, 120, 213)  
}
```

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(141, 120, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 120, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 136.8810, -17.3370, 33.3750 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(141, 120, 213) }
```



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

```
.border{ border-color:rgb(141, 120, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 120, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 120, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 120, 213);  
box-shadow:4px 4px 4px 4px rgb(141, 120,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.8810, -17.3370, 33.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 120, 213) }
```

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

```
.background{ background-color: rgb(141,  
120, 213) }
```

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