

# Converting Colors

YIQ(88.1320, -71.7940,  
-31.4900)

Have a look what the booklet for  
YIQ(88.1320, -71.7940, -31.4900)  
contains.

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# Color

**YIQ(88.1320, -71.7940,  
-31.4900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	008072
RGB	0, 128, 114
RGB Percent	0%, 50%, 45%
CMY	0.9999, 0.4978, 0.5532
CMYK	1.00, 0.00, 0.11, 0.50
HSL	173°, 100%, 25%
HSV	173°, 100%, 50%
XYZ	10.7595, 16.6657, 18.5485
YIQ	88.1320, -71.7940, -31.4900

# Conversions

## Conversions Part 2

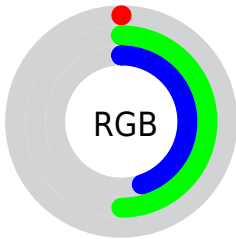
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 128
Decimal	32882
CIELab	47.84, -33.28, -0.81
CIELCh	48, 33.292, 181.390
Yxy	16.6657, 0.2340, 0.3625
Android (android.graphics.Color)	4278222962 (0xFF008072)
YUV	88.1320, 12.7529, -77.2918
Hunter-Lab	40.8236, -24.3959, 1.6378

# Details

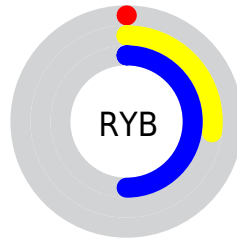
The YIQ color **88.1320, -71.7940, -31.4900** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **39.8680, 71.7940, 31.4900**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.9770, -55.0600, -26.3880**, and **53.3100, -42.6360, -20.2680** is the 20% darker color. If you saturate the color by 10%, you get **88.1320, -71.7940, -31.4900**, and if you desaturate by 10%, it is **92.1330, -64.3670, -28.4230**.

# Distribution



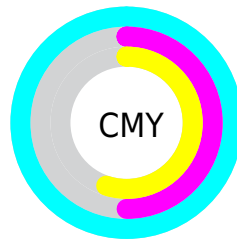
- Red (0%)
- Green (50%)
- Blue (45%)



- Red (0%)
- Yellow (27%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 88.1320, -71.7940, -31.4900 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 88.1320, -71.7940, -31.4900 by changing the saturation by 10% instead.



88.1320, -71.7940,  
-31.4900

88.1320, -71.7940,  
-31.4900

255.0000, -0.0000,  
-0.0000

70.6070, -56.8940,  
-26.1900

149.9770,  
-55.0600, -26.3880

53.3100, -42.6360,  
-20.2680

177.5750,  
-53.8680, -25.9640

36.7140, -28.9740,  
-14.5580

206.1620,  
-54.1430, -26.4870

23.1670, -17.0080,  
-11.1520

228.0040,  
-50.5220, -20.5220

0.0000, 0.0000,  
0.0000

237.3590,  
-35.1640, -12.5080

246.0300,

-17.8800, -6.3600

■ 88.1320, -71.7940,  
-31.4900

■ 92.1330, -64.3670,  
-28.4230

■ 96.2480, -57.2610,  
-25.0450

■ 99.9500, -50.4300,  
-22.1900

■ 104.0650,  
-43.3240, -18.8120

■ 108.0660,  
-35.8970, -15.7450

■ 112.0670,  
-28.4700, -12.6780

■ 116.1820,  
-21.3640, -9.3000

■ 119.8840,  
-14.5330, -6.4450

■ 123.9990, -7.4270,  
-3.0670

# Harmonies

## Analogous

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



103.5000, -22.9200, -25.1600



88.1320, -71.7940, -31.4900



90.7370, -80.5070, -22.2590

# Triad

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



88.1320, -71.7940, -31.4900



115.8580, -10.5030, 19.6490



112.7320, 41.6770, -0.9070

# Complementary

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



88.1320, -71.7940, -31.4900



39.8680, 71.7940, 31.4900

# 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.



114.6160, 45.4800, 12.7760



88.1320, -71.7940, -31.4900



117.2760, 17.7390, 25.4430

# Square

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



88.1320, -71.7940, -31.4900



108.2880, -44.4290, 6.7310



115.6340, 37.0420, 22.5300



110.9980, 28.7040, -13.6000



# Rectangle

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



88.1320, -71.7940, -31.4900



91.2730, -84.7720, -16.5480



115.6340, 37.0420, 22.5300



113.4490, 44.1520, 3.8000

# Sweetspot

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



88.1320, -71.7940, -31.4900



150.3660, -27.8740, -12.4660



79.6210, -26.2600, -63.7640



74.6880, -16.9170, -7.2930



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



88.1320, -71.7940, -31.4900



114.2000, -92.8370, -41.1010



60.9650, -62.8130, -1.5090



61.7930, -3.8510, -1.7950



88.0180, -71.4730, -31.8010



0.0000, 0.0000, 0.0000



# Inverse Universe

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



39.8680, 71.7940, 31.4900



51.6860, 93.1580, 40.7900



67.0350, 62.8130, 1.5090



59.2070, 3.8510, 1.7950



0.0000, 0.0000, 0.0000

# Previews

## White Background



This preview shows how the YIQ color 88.1320, -71.7940, -31.4900 looks on a white 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

# Black Background



This preview shows how the YIQ color 88.1320, -71.7940, -31.4900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

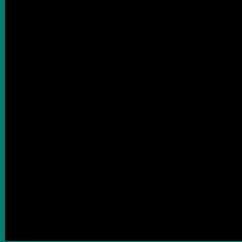
Any Text WCAG AAA × Fail

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



# YIQ 88.1320, -71.7940, -31.4900

## Background



This preview shows how black text looks on a background with the YIQ color 88.1320, -71.7940, -31.4900.



This preview shows how white text looks on a background with the YIQ color 88.1320, -71.7940,

-31.4900.

# 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

88.1320, -71.7940, -31.4900

### Protanopia

113.2840, 4.9520, -1.6400

### Deuteranopia

114.5000, 4.5840, 5.0320



## Tritanopia

98.6320, -58.0420, -16.3940

# Trichromacy



## Original Color

88.1320, -71.7940, -31.4900

## Protanomaly

103.7040, -23.0140, -12.4380

## Deuteranomaly

105.3390, -23.2440, -8.2680

## Tritanomaly

94.7190, -62.9010, -21.9490

# Monochromacy



## Original Color

88.1320, -71.7940, -31.4900

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

88.2630, -26.0860, -11.8300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 88.1320, -71.7940, -31.4900 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(0, 128, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 114)  
}
```

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(0, 128, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 114) }
```

## Border

The CSS property to change the border of an element to YIQ 88.1320, -71.7940, -31.4900 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(0, 128, 114) }
```

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

```
.border{ border-color:rgb(0, 128, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
114) }
```



# Background

The CSS property to change the background color of an element to YIQ 88.1320, -71.7940, -31.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 114) }
```

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

```
.background{ background-color: rgb(0, 128,  
114) }
```

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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