

# Converting Colors

YIQ(136.4750, -91.6930,  
-28.7890)

Have a look what the booklet for  
YIQ(136.4750, -91.6930, -28.7890)  
contains.

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# Color

**YIQ(136.4750, -91.6930,  
-28.7890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1FB4BD
RGB	31, 180, 189
RGB Percent	12%, 71%, 74%
CMY	0.8787, 0.2939, 0.2592
CMYK	0.84, 0.05, 0.00, 0.26
HSL	183°, 72%, 43%
HSV	183°, 84%, 74%
XYZ	26.0714, 36.6278, 53.7861
YIQ	136.4750, -91.6930, -28.7890

# Conversions

## Conversions Part 2

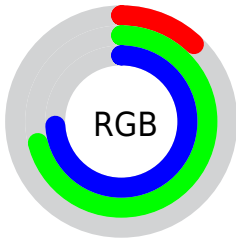
Format	Color
R <sub>Y</sub> B	31, 108, 189
Decimal	2077885
CIE Lab	67.00, -32.87, -15.00
CIE LCh	67, 36.135, 204.531
Yxy	36.6278, 0.2238, 0.3144
Android (android.graphics.Color)	4280267965 (0xFF1FB4BD)
YUV	136.4750, 25.8948, -92.5016
Hunter-Lab	60.5209, -29.0168, -10.3275

# Details

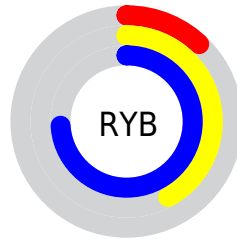
The YIQ color **136.4750, -91.6930, -28.7890** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **83.5250, 91.6930, 28.7890**, and the grayscale version is **136.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **198.7540, -79.1770, -24.3370**, and **90.0530, -78.5810, -24.1250** is the 20% darker color. If you saturate the color by 10%, you get **130.2070, -102.7420, -32.2940**, and if you desaturate by 10%, it is **142.7430, -80.6440, -25.2840**.

# Distribution



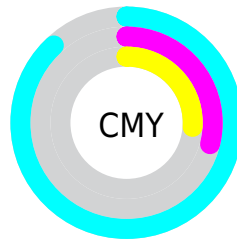
- Red (12%)
- Green (71%)
- Blue (74%)



- Red (12%)
- Yellow (42%)
- Blue (74%)



- Cyan (84%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (88%)
- Magenta (29%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.4750, -91.6930, -28.7890 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 136.4750, -91.6930, -28.7890 by changing the saturation by 10% instead.



■ 136.4750,  
-91.6930, -28.7890

■ 136.4750,  
-91.6930, -28.7890

■ 255.0000, -0.0000,  
-0.0000

■ 108.2790,  
-94.0770, -29.6370

■ 198.7540,  
-79.1770, -24.3370

■ 90.0530, -78.5810,  
-24.1250

■ 220.6150,  
-68.5400, -24.3800

■ 71.8270, -63.0850,  
-18.6130

■ 229.5850,  
-50.6600, -18.0200

■ 55.0030, -48.7810,  
-13.5250

■ 238.8540,  
-32.1840, -11.4480

■ 38.2930, -34.7980,  
-8.1260

■ 247.8240,  
-14.3040, -5.0880

■ 24.0450, -22.2360,  
-4.5080

■ 2.9810, -7.0160,

6.0080

■ 0.0000, 0.0000,  
0.0000

■ 136.4750,  
-91.6930, -28.7890

■ 136.4750,  
-91.6930, -28.7890

■ 130.2070,  
-102.7420, -32.2940

■ 142.7430,  
-80.6440, -25.2840

■ 126.0320,  
-109.6190, -34.3150

■ 149.0110,  
-69.5950, -21.7790

■ 155.2790,  
-58.5460, -18.2740

■ 161.2480,  
-48.0930, -14.9810

■ 167.5160,  
-37.0440, -11.4760

■ 173.7840,  
-25.9950, -7.9710

■ 180.0520,  
-14.9460, -4.4660

■ 186.9070, -4.1720,  
-1.4840

■ 193.1750, 6.8770,  
2.0210

# Harmonies

## Analogous

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



146.1680, -54.2800, -29.5120



136.4750, -91.6930, -28.7890



142.1740, -88.8070, -15.0070

# Triad

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



136.4750, -91.6930, -28.7890



167.2310, 13.6120, 28.6520



161.3150, 38.0570, -12.3990

# Complementary

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



136.4750, -91.6930, -28.7890



83.5250, 91.6930, 28.7890

# 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.



163.5160, 51.2130, 2.4850



136.4750, -91.6930, -28.7890



166.7640, 39.7920, 27.7600

# Square

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



136.4750, -91.6930, -28.7890



164.7090, -20.2690, 20.4270



164.8990, 52.1730, 18.1330



157.8880, 14.0340, -23.0700



# Rectangle

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



136.4750, -91.6930, -28.7890



151.7410, -67.9940, -1.2260



164.8990, 52.1730, 18.1330



162.0000, 43.5580, -7.4660

# Sweetspot

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



136.4750, -91.6930, -28.7890



224.4130, -35.2560, -10.8400



124.6580, -46.0180, -80.1460



110.0620, -20.9060, -6.5860



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



136.4750, -91.6930, -28.7890



163.5270, -142.1700, -44.6180



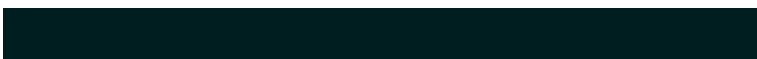
90.6890, -70.2430, 12.0050



91.3090, -5.3640, -1.9080



105.4750, -91.6930, -28.7890



20.5570, -17.9260, -5.5260



# Inverse Universe

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



95.2280, 46.3390, 79.8350



99.5890, 71.8690, 123.7810



129.3110, 70.2430, -12.0050



88.7170, 2.4750, 4.7070



64.2280, 46.3390, 79.8350

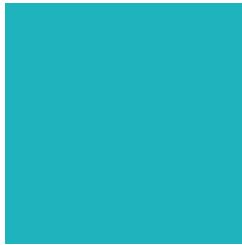


12.5750, 9.1670, 15.5910



# Previews

## White Background



This preview shows how the YIQ color 136.4750, -91.6930, -28.7890 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 136.4750, -91.6930, -28.7890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

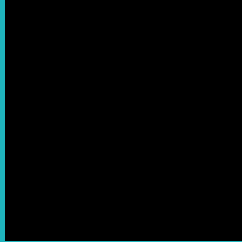
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

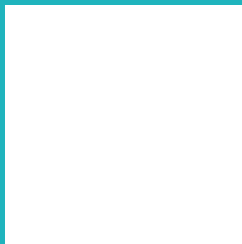
Any Text WCAG AAA ✓ Pass

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

# YIQ 136.4750, -91.6930, -28.7890 Background



This preview shows how black text looks on a background with the YIQ color 136.4750, -91.6930, -28.7890.



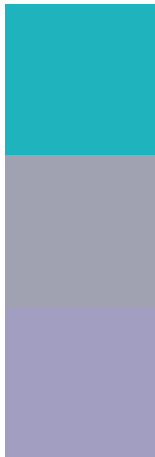
This preview shows how white text looks on a background with the YIQ color 136.4750, -91.6930, -28.7890.



# 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

136.4750, -91.6930, -28.7890

### Protanopia

162.5250, -5.7320, 4.7640

### Deuteranopia

163.3000, -9.1720, 12.0440



## Tritanopia

138.2520, -89.4470, -25.4390

# Trichromacy



## Original Color

136.4750, -91.6930, -28.7890



## Protanomaly

153.0370, -36.9530, -7.6170



## Deuteranomaly

153.4160, -39.3380, -2.9380



## Tritanomaly

137.4260, -89.9970, -26.4850

# Monochromacy



## Original Color

136.4750, -91.6930, -28.7890



## Achromatopsia

136.0000, -0.0000, 0.0000



## Achromatomaly

136.1960, -33.1470, -10.5150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.4750, -91.6930, -28.7890 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(31, 180, 189)` looks like.

```
.text, #text, p{  
    color:rgb(31, 180, 189)  
}
```

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(31, 180, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 180, 189) }
```

## Border

The CSS property to change the border of an element to YIQ 136.4750, -91.6930, -28.7890 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(31, 180, 189) }
```



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

```
.border{ border-color:rgb(31, 180, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 180, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 180, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 180, 189);  
box-shadow:4px 4px 4px 4px rgb(31, 180,  
189) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.4750, -91.6930, -28.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 180, 189) }
```

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

```
.background{ background-color: rgb(31, 180,  
189) }
```

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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