

# Converting Colors

YIQ(142.8560, -123.9230,  
-39.4030)

Have a look what the booklet for  
YIQ(142.8560, -123.9230, -39.4030)  
contains.

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# Color

**YIQ(142.8560, -123.9230,  
-39.4030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CAD5
RGB	0, 202, 213
RGB Percent	0%, 79%, 84%
CMY	0.9998, 0.2075, 0.1652
CMYK	1.00, 0.05, 0.00, 0.17
HSL	183°, 100%, 42%
HSV	183°, 100%, 83%
XYZ	33.1345, 47.0786, 70.2066
YIQ	142.8560, -123.9230, -39.4030

# Conversions

## Conversions Part 2

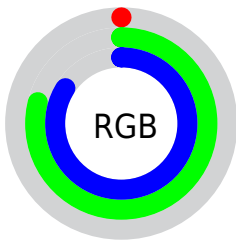
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 213
Decimal	51925
CIELab	74.24, -37.07, -17.20
CIELCh	74, 40.862, 204.889
Yxy	47.0786, 0.2203, 0.3130
Android (android.graphics.Color)	4278242005 (0xFF00CAD5)
YUV	142.8560, 34.5810, -125.2847
Hunter-Lab	68.6138, -33.8742, -12.6367

# Details

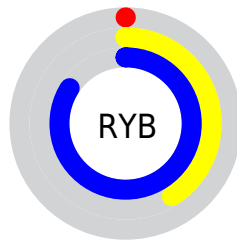
The YIQ color **142.8560, -123.9230, -39.4030** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **70.1440, 123.9230, 39.4030**, and the grayscale version is **143.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **210.7480, -88.2080, -31.3760**, and **104.3010, -91.1430, -27.7430** is the 20% darker color. If you saturate the color by 10%, you get **142.8560, -123.9230, -39.4030**, and if you desaturate by 10%, it is **149.7220, -111.6820, -35.4740**.

# Distribution



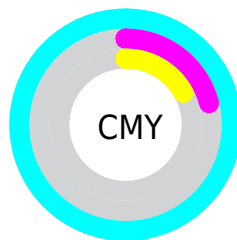
- Red (0%)
- Green (79%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (21%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 142.8560, -123.9230, -39.4030 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 142.8560, -123.9230, -39.4030 by changing the saturation by 10% instead.



■ 142.8560,  
-123.9230, -39.4030

■ 142.8560,  
-123.9230, -39.4030

■ 255.0000, -0.0000,  
-0.0000

■ 123.2280,  
-107.2350, -33.4670

■ 210.7480,  
-88.2080, -31.3760

■ 104.3010,  
-91.1430, -27.7430

■ 220.9140,  
-67.9440, -24.1680

■ 86.0750, -75.6470,  
-22.2310

■ 230.4820,  
-48.8720, -17.3840

■ 68.5500, -60.7470,  
-16.9310

■ 239.7510,  
-30.3960, -10.8120

■ 51.1390, -46.1680,  
-11.3200

■ 249.3190,  
-11.3240, -4.0280

■ 35.0160, -32.4600,  
-6.4440

■ 19.0070, -19.0730,

-1.2570

■ 2.4110, -5.4110,  
4.4530

■ 0.0000, 0.0000,  
0.0000

■ 142.8560,  
-123.9230, -39.4030

■ 149.7220,  
-111.6820, -35.4740

■ 156.8870,  
-98.8450, -31.3330

■ 163.7530,  
-86.6040, -27.4040

■ 170.6190,  
-74.3630, -23.4750

■ 177.4850,  
-62.1220, -19.5460

■ 185.2370,  
-49.5600, -15.9280

■ 192.1030,  
-37.3190, -11.9990

■ 198.9690,  
-25.0780, -8.0700

■ 206.1340,  
-12.2410, -3.9290

# Harmonies

## Analogous

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



162.1450, -64.6410, -34.4730



142.8560, -123.9230, -39.4030



155.8880, -108.6130, -19.5010

# Triad

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



142.8560, -123.9230, -39.4030



187.8340, 16.4080, 33.0480



180.3710, 43.6510, -14.6610

# Complementary

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



142.8560, -123.9230, -39.4030



70.1440, 123.9230, 39.4030

# 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.



182.8220, 59.0990, 2.7390



142.8560, -123.9230, -39.4030



186.9220, 45.3390, 31.8590

# Square

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



142.8560, -123.9230, -39.4030



184.2620, -23.2040, 24.0600



184.6720, 60.2420, 20.5780



176.7370, 15.7770, -27.1270



# Rectangle

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



142.8560, -123.9230, -39.4030



169.1680, -79.5020, -1.9180



184.6720, 60.2420, 20.5780



181.6540, 50.3440, -9.3040

# Sweetspot

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



142.8560, -123.9230, -39.4030



229.9280, -44.1960, -14.0200



126.2850, -62.1060, -107.9780



112.4850, -26.5910, -8.1830



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.



142.8560, -123.9230, -39.4030



171.1240, -148.4050, -47.2610



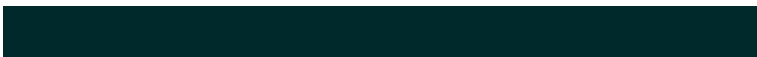
80.6340, -94.7730, 16.0350



103.7110, -6.5560, -2.3320



114.5880, -99.4410, -31.5450



28.9690, -25.0780, -8.0700



# Inverse Universe

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



86.7150, 62.1060, 107.9780



103.8330, 74.2980, 129.3220



132.3660, 94.7730, -16.0350



100.5430, 3.0250, 5.7530



69.5970, 49.9140, 86.6340

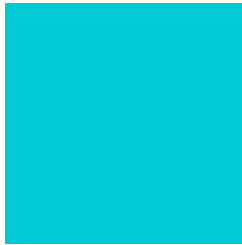


17.5310, 12.4670, 21.8670



# Previews

## White Background



This preview shows how the YIQ color 142.8560, -123.9230, -39.4030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

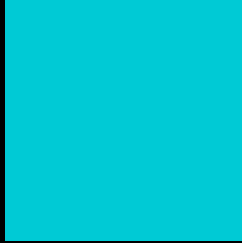
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 142.8560, -123.9230, -39.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

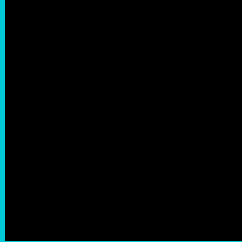
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

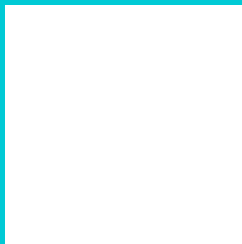
Any Text WCAG AAA ✓ Pass

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

# YIQ 142.8560, -123.9230, -39.4030 Background



This preview shows how black text looks on a background with the YIQ color 142.8560, -123.9230, -39.4030.



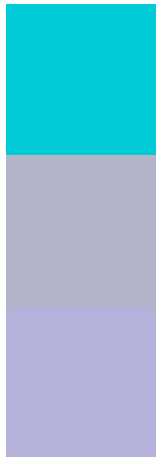
This preview shows how white text looks on a background with the YIQ color 142.8560, -123.9230, -39.4030.



# 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

142.8560, -123.9230, -39.4030

### Protanopia

181.8670, -6.6950, 5.6970

### Deuteranopia

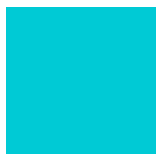
182.5710, -11.3730, 13.3870



## Tritanopia

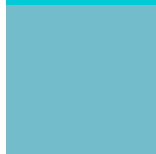
149.7160, -111.5450, -32.4490

# Trichromacy



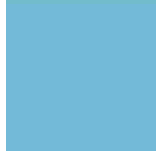
## Original Color

142.8560, -123.9230, -39.4030



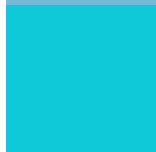
## Protanomaly

167.6980, -49.2400, -10.7120



## Deuteranomaly

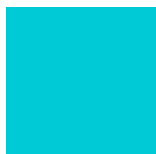
168.1910, -51.9460, -5.7220



## Tritanomaly

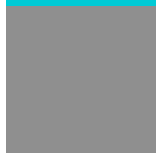
147.0960, -115.6710, -34.7670

# Monochromacy



## Original Color

142.8560, -123.9230, -39.4030



## Achromatopsia

143.0000, -0.0000, 0.0000



## Achromatomaly

142.6290, -44.7920, -14.2320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 142.8560, -123.9230, -39.4030 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, 202, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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(0, 202, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 142.8560, -123.9230, -39.4030 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, 202, 213) }
```



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

```
.border{ border-color:rgb(0, 202, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 142.8560, -123.9230, -39.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 213) }
```

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

```
.background{ background-color: rgb(0, 202,  
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](#).

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