

# Converting Colors

YIQ(147.7950, -121.9530,  
-31.0490)

Have a look what the booklet for  
YIQ(147.7950, -121.9530, -31.0490)  
contains.

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# Color

**YIQ(147.7950, -121.9530,  
-31.0490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0CC9E6
RGB	12, 201, 230
RGB Percent	5%, 79%, 90%
CMY	0.9532, 0.2114, 0.0985
CMYK	0.95, 0.13, 0.00, 0.10
HSL	188°, 90%, 47%
HSV	188°, 95%, 90%
XYZ	35.3201, 47.5937, 82.0928
YIQ	147.7950, -121.9530, -31.0490

# Conversions

## Conversions Part 2

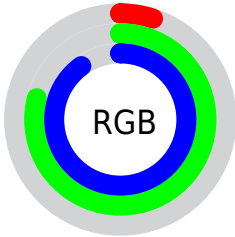
Format	Color
<b>RYB</b>	12, 113, 230
Decimal	838118
CIELab	74.57, -30.91, -25.88
CIELCh	75, 40.311, 219.940
Yxy	47.5937, 0.2141, 0.2884
Android (android.graphics.Color)	4279028198 (0xFF0CC9E6)
YUV	147.7950, 40.5271, -119.0922
Hunter-Lab	68.9882, -29.3421, -22.2607

# Details

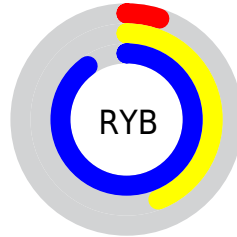
The YIQ color **147.7950, -121.9530, -31.0490** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **94.2050, 121.9530, 31.0490**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **212.2430, -85.2280, -30.3160**, and **106.1250, -96.2790, -22.7670** is the 20% darker color. If you saturate the color by 10%, you get **143.6200, -128.8300, -33.0700**, and if you desaturate by 10%, it is **156.4330, -109.0700, -27.7420**.

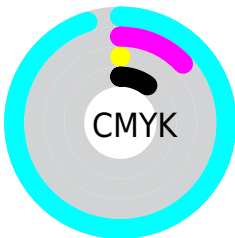
# Distribution



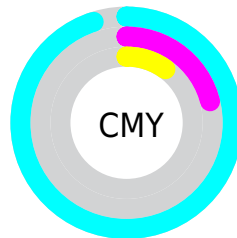
- Red (5%)
- Green (79%)
- Blue (90%)



- Red (5%)
- Yellow (44%)
- Blue (90%)



- Cyan (95%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (95%)
- Magenta (21%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 147.7950, -121.9530, -31.0490 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 147.7950, -121.9530, -31.0490 by changing the saturation by 10% instead.



■ 147.7950,  
-121.9530, -31.0490

■ 147.7950,  
-121.9530, -31.0490

■ 255.0000, -0.0000,  
-0.0000

■ 124.5790,  
-112.4170, -27.6570

■ 212.2430,  
-85.2280, -30.3160

■ 106.1250,  
-96.2790, -22.7670

■ 222.1100,  
-65.5600, -23.3200

■ 87.8990, -80.7830,  
-17.2550

■ 231.9770,  
-45.8920, -16.3240

■ 69.6730, -65.2870,  
-11.7430

■ 241.2460,  
-27.4160, -9.7520

■ 52.7350, -50.6620,  
-6.9660

■ 250.8140, -8.3440,  
-2.9680

■ 36.4980, -36.6330,  
-2.4010

■ 21.5490, -23.4750,

1.4290

■ 4.4800, -9.8590,  
7.9730

■ 0.0000, 0.0000,  
0.0000

■ 147.7950,  
-121.9530, -31.0490

■ 147.7950,  
-121.9530, -31.0490

■ 143.6200,  
-128.8300, -33.0700

■ 156.4330,  
-109.0700, -27.7420

■ 165.0710,  
-96.1870, -24.4350

■ 173.7090,  
-83.3040, -21.1280

■ 182.3470,  
-70.4210, -17.8210

■ 190.9850,  
-57.5380, -14.5140

■ 199.6230,  
-44.6550, -11.2070

■ 208.2610,  
-31.7720, -7.9000

■ 216.8990,  
-18.8890, -4.5930

■ 225.5370, -6.0060,  
-1.2860

# Harmonies

## Analogous

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



157.5370, -86.2360, -34.0760



147.7950, -121.9530, -31.0490



167.7220, -84.1780, -5.2820

# Triad

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



147.7950, -121.9530, -31.0490



188.4460, 32.1800, 33.5560



179.6250, 30.9520, -21.3040

# Complementary

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



147.7950, -121.9530, -31.0490



94.2050, 121.9530, 31.0490

# 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.



183.0180, 52.3150, -6.4770



147.7950, -121.9530, -31.0490



186.2510, 54.4180, 27.0100

# Square

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



147.7950, -121.9530, -31.0490



187.5590, -1.9310, 29.5010



185.2880, 61.0230, 11.9270



175.0600, -1.3700, -30.2500

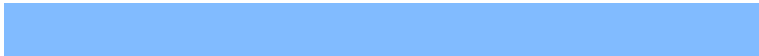


# Rectangle

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



147.7950, -121.9530, -31.0490



177.4100, -56.3960, 8.8520



185.2880, 61.0230, 11.9270



180.8650, 39.2040, -16.6680

# Sweetspot

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



147.7950, -121.9530, -31.0490



228.4880, -39.8410, -10.3450



142.8160, -67.9750, -106.2390



111.3220, -24.5740, -6.1900



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

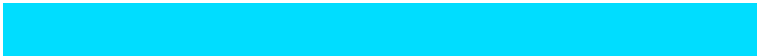


# Same Dimension

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



147.7950, -121.9530, -31.0490



158.7970, -142.6300, -36.2780



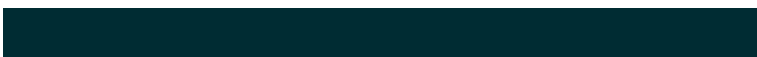
85.5730, -92.8030, 24.3890



110.2380, -6.6020, -1.4980



111.3910, -100.0840, -25.3960



31.6420, -28.4710, -7.1510



# Inverse Universe

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



98.7280, 69.2590, 104.9950



101.4390, 81.0390, 122.7910



155.8400, 93.0780, -23.8660



107.7280, 3.9420, 5.6540



71.1910, 56.9290, 86.1530

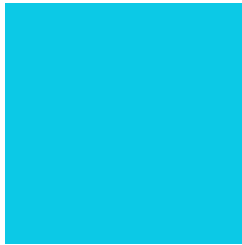


20.2650, 16.2720, 24.4960



# Previews

## White Background



This preview shows how the YIQ color 147.7950, -121.9530, -31.0490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

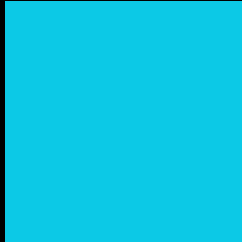
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 147.7950, -121.9530, -31.0490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

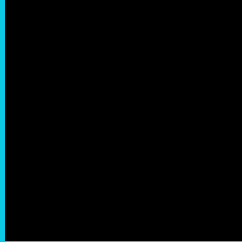
Any Text WCAG AA ✓ Pass

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 147.7950, -121.9530, -31.0490 Background



This preview shows how black text looks on a background with the YIQ color 147.7950, -121.9530, -31.0490.



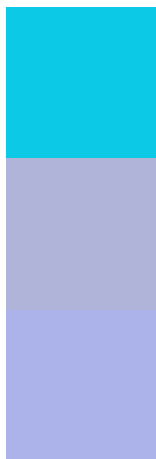
This preview shows how white text looks on a background with the YIQ color 147.7950, -121.9530, -31.0490.



# 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

147.7950, -121.9530, -31.0490

### Protanopia

182.6090, -14.5360, 10.1360

### Deuteranopia

183.2910, -22.1480, 15.9320



## Tritanopia

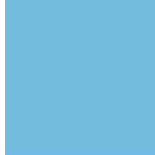
143.5400, -125.8490, -37.5370

# Trichromacy



## Original Color

147.7950, -121.9530, -31.0490



## Protanomaly

170.2340, -53.5050, -5.0010



## Deuteranomaly

170.4170, -58.2740, -1.1700



## Tritanomaly

145.1920, -124.7490, -35.4450

# Monochromacy



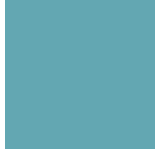
## Original Color

147.7950, -121.9530, -31.0490



## Achromatopsia

148.0000, -0.0000, 0.0000



## Achromatomaly

147.9220, -44.0590, -10.9950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 147.7950, -121.9530, -31.0490 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(12, 201, 230)` looks like.

```
.text, #text, p{  
    color:rgb(12, 201, 230)  
}
```

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(12, 201, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 201, 230) }
```

## Border

The CSS property to change the border of an element to YIQ 147.7950, -121.9530, -31.0490 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(12, 201, 230) }
```



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

```
.border{ border-color:rgb(12, 201, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 201, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 201, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 201, 230);  
box-shadow:4px 4px 4px 4px rgb(12, 201,  
230) }
```

# Background

The CSS property to change the background color of an element to YIQ 147.7950, -121.9530, -31.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 201, 230) }
```

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

```
.background{ background-color: rgb(12, 201,  
230) }
```

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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