

# Converting Colors

YIQ(121.2680, -112.7390,  
-21.8190)

Have a look what the booklet for  
YIQ(121.2680, -112.7390, -21.8190)  
contains.

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# Color

**YIQ(121.2680, -112.7390,  
-21.8190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A6D1
RGB	0, 166, 209
RGB Percent	0%, 65%, 82%
CMY	0.9998, 0.3487, 0.1809
CMYK	1.00, 0.20, 0.00, 0.18
HSL	192°, 100%, 41%
HSV	192°, 100%, 82%
XYZ	25.1424, 31.8952, 65.0733
YIQ	121.2680, -112.7390, -21.8190

# Conversions

## Conversions Part 2

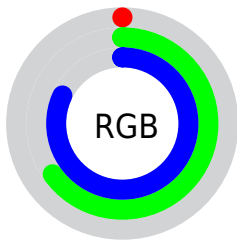
Format	Color
<a href="#">RYB</a>	<a href="#">0, 93, 209</a>
Decimal	<a href="#">42705</a>
CIELab	<a href="#">63.26, -20.66, -31.82</a>
CIELCh	<a href="#">63, 37.934, 237.009</a>
Yxy	<a href="#">31.8952, 0.2059, 0.2612</a>
Android (android.graphics.Color)	<a href="#">4278232785 (0xFF00A6D1)</a>
YUV	<a href="#">121.2680, 43.2519, -106.3520</a>
Hunter-Lab	<a href="#">56.4759, -19.3667, -28.7827</a>

# Details

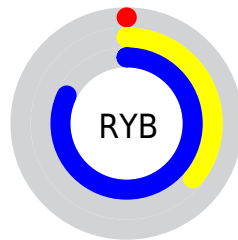
The YIQ color **121.2680, -112.7390, -21.8190** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **87.7320, 112.7390, 21.8190**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **189.2950, -81.8380, -14.6540**, and **84.4740, -80.7840, -11.7280** is the 20% darker color. If you saturate the color by 10%, you get **121.2680, -112.7390, -21.8190**, and if you desaturate by 10%, it is **129.8950, -101.3230, -19.4590**.

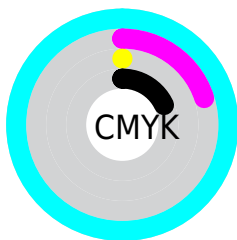
# Distribution



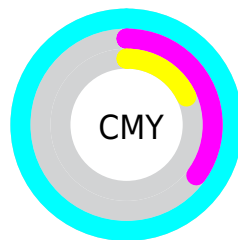
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (35%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.2680, -112.7390, -21.8190 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 121.2680, -112.7390, -21.8190 by changing the saturation by 10% instead.



■ 121.2680,  
-112.7390, -21.8190

■ 121.2680,  
-112.7390, -21.8190

■ 255.0000, -0.0000,  
-0.0000

■ 102.8140,  
-96.6010, -16.9290

■ 189.2950,  
-81.8380, -14.6540

■ 84.4740, -80.7840,  
-11.7280

■ 216.1850,  
-70.1450, -22.8250

■ 66.8350, -65.5630,  
-6.7390

■ 228.3890,  
-53.0440, -18.8680

■ 50.4840, -51.2130,  
-2.4850

■ 237.6580,  
-34.5680, -12.2960

■ 34.2470, -37.1840,  
2.0800

■ 246.9270,  
-16.0920, -5.7240

■ 19.7710, -23.9800,  
5.0760

■ 5.0500, -11.4640,

9.5280

■ 0.7980, -2.2470,  
2.1770

■ 0.0000, 0.0000,  
0.0000

■ 121.2680,  
-112.7390, -21.8190

■ 129.8950,  
-101.3230, -19.4590

■ 139.1090,  
-90.1820, -17.6220

■ 147.7360,  
-78.7660, -15.2620

■ 156.3630,  
-67.3500, -12.9020

■ 164.6910,  
-56.5300, -10.7540

■ 173.9050,  
-45.3890, -8.9170

■ 182.5320,  
-33.9730, -6.5570

■ 191.1590,  
-22.5570, -4.1970

■ 200.3730,  
-11.4160, -2.3600

# Harmonies

## Analogous

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



120.6520, -105.4930, -31.9970



121.2680, -112.7390, -21.8190



146.2310, -57.4500, 5.9260

# Triad

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



121.2680, -112.7390, -21.8190



156.5470, 41.9010, 28.0850



147.4640, 12.2920, -24.5400

# Complementary

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



121.2680, -112.7390, -21.8190



87.7320, 112.7390, 21.8190

# 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.



150.9620, 37.5530, -14.2790



121.2680, -112.7390, -21.8190



155.0410, 54.6490, 17.3130

# Square

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



121.2680, -112.7390, -21.8190



157.7260, 16.5920, 29.7120



153.0600, 52.4970, 1.2410



141.9360, -21.4520, -29.7400



# Rectangle

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



121.2680, -112.7390, -21.8190



152.8540, -31.0430, 17.4450



153.0600, 52.4970, 1.2410



148.7210, 21.8740, -21.9820

# Sweetspot

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



121.2680, -112.7390, -21.8190



222.8840, -40.8960, -7.7440



127.4710, -70.9570, -96.2450



108.3760, -24.6660, -4.5220



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

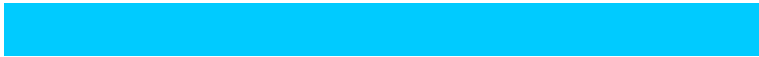


# Same Dimension

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



121.2680, -112.7390, -21.8190



148.2310, -137.6800, -26.8640



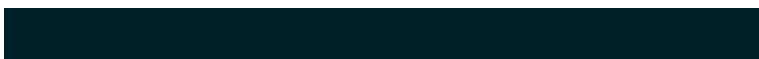
60.8070, -84.4140, 32.0500



99.9500, -5.7310, -0.7630



97.8100, -90.7780, -17.8340



23.4580, -21.9610, -3.9850



# Inverse Universe

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



81.4150, 71.2780, 95.9340



99.3870, 86.8170, 117.1930



148.1930, 84.4140, -32.0500



98.2010, 3.9880, 4.8200



65.5080, 57.1140, 77.2900



15.9070, 14.1640, 18.6440



# Previews

## White Background



This preview shows how the YIQ color 121.2680, -112.7390, -21.8190 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 121.2680, -112.7390, -21.8190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

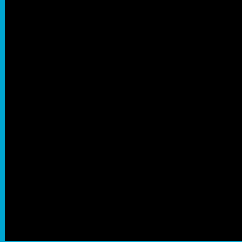
Any Text WCAG AA ✓ Pass

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 121.2680, -112.7390, -21.8190 Background



This preview shows how black text looks on a background with the YIQ color 121.2680, -112.7390, -21.8190.



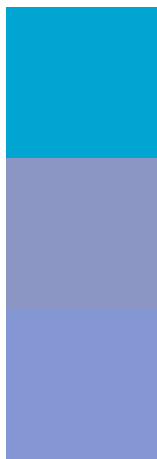
This preview shows how white text looks on a background with the YIQ color 121.2680, -112.7390, -21.8190.



# 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

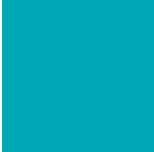
121.2680, -112.7390, -21.8190

### Protanopia

152.3680, -21.0470, 12.4970

### Deuteranopia

151.6860, -30.6300, 15.4660



## **Tritanopia**

119.9510, -104.8970, -31.7850

# Trichromacy



## Original Color

121.2680, -112.7390, -21.8190

## Protanomaly

141.0970, -54.3770, -0.2090

## Deuteranomaly

140.7420, -60.5670, 1.8410

## Tritanomaly

120.5040, -107.8320, -28.1520

# Monochromacy



## Original Color

121.2680, -112.7390, -21.8190

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.8840, -40.8960, -7.7440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.2680, -112.7390, -21.8190 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, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 209)  
}
```

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, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 121.2680, -112.7390, -21.8190 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, 166, 209) }
```



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

```
.border{ border-color:rgb(0, 166, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
209) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.2680, -112.7390, -21.8190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 209) }
```

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

```
.background{ background-color: rgb(0, 166,  
209) }
```

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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