

# Converting Colors

YIQ(138.0170, -113.2900,  
-17.3380)

Have a look what the booklet for  
YIQ(138.0170, -113.2900, -17.3380)  
contains.

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# Color

**YIQ(138.0170, -113.2900,  
-17.3380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13B4EA
RGB	19, 180, 234
RGB Percent	7%, 71%, 92%
CMY	0.9257, 0.2938, 0.0828
CMYK	0.92, 0.23, 0.00, 0.08
HSL	195°, 85%, 50%
HSV	195°, 92%, 92%
XYZ	31.4351, 38.7408, 83.5685
YIQ	138.0170, -113.2900, -17.3380

# Conversions

## Conversions Part 2

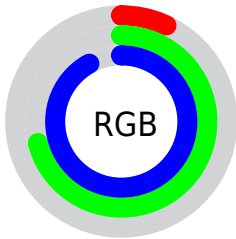
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 111, 234
Decimal	1291498
CIELab	68.56, -18.72, -37.32
CIELCh	69, 41.749, 243.360
Yxy	38.7408, 0.2045, 0.2520
Android (android.graphics.Color)	4279481578 (0xFF13B4EA)
YUV	138.0170, 47.3196, -104.3779
Hunter-Lab	62.2421, -18.7731, -36.0354

# Details

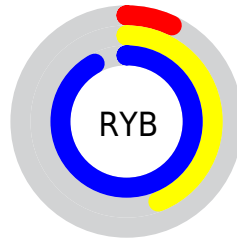
The YIQ color **138.0170, -113.2900, -17.3380** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **114.9830, 113.2900, 17.3380**, and the grayscale version is **138.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **201.0900, -80.0030, -20.3790**, and **94.8410, -92.0630, -11.0630** is the 20% darker color. If you saturate the color by 10%, you get **129.4010, -123.2390, -18.7510**, and if you desaturate by 10%, it is **148.4160, -101.2320, -15.6000**.

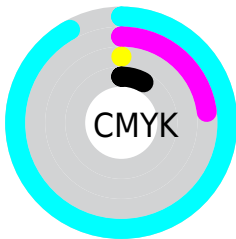
# Distribution



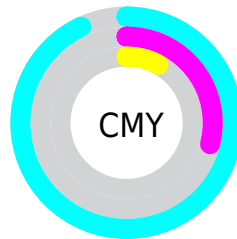
- Red (7%)
- Green (71%)
- Blue (92%)



- Red (7%)
- Yellow (44%)
- Blue (92%)



- Cyan (92%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (93%)
- Magenta (29%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.0170, -113.2900, -17.3380 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 138.0170, -113.2900, -17.3380 by changing the saturation by 10% instead.



■ 138.0170,  
-113.2900, -17.3380

■ 138.0170,  
-113.2900, -17.3380

■ 255.0000, -0.0000,  
-0.0000

■ 113.2950,  
-108.2010, -15.9530

■ 201.0900,  
-80.0030, -20.3790

■ 94.8410, -92.0630,  
-11.0630

■ 222.1100,  
-65.5600, -23.3200

■ 77.0880, -76.5210,  
-6.3850

■ 231.6780,  
-46.4880, -16.5360

■ 60.0360, -61.5750,  
-1.9190

■ 240.9470,  
-28.0120, -9.9640

■ 43.6850, -47.2250,  
2.3350

■ 250.5150, -8.9400,  
-3.1800

■ 28.5080, -33.4250,  
5.5430

■ 8.9770, -18.3880,

13.8680

■ 4.5940, -10.1800,  
8.2840

■ 0.1140, -0.3210,  
0.3110

■ 138.0170,  
-113.2900, -17.3380

■ 138.0170,  
-113.2900, -17.3380

■ 129.4010,  
-123.2390, -18.7510

■ 148.4160,  
-101.2320, -15.6000

■ 159.1140,  
-88.5780, -13.6500

■ 169.5130,  
-76.5200, -11.9120

■ 179.6240,  
-63.5910, -9.4390

■ 190.0230,  
-51.5330, -7.7010

■ 200.4220,  
-39.4750, -5.9630

■ 211.1200,  
-26.8210, -4.0130

■ 221.5190,  
-14.7630, -2.2750

■ 231.9180, -2.7050,  
-0.5370

# Harmonies

## Analogous

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



132.8940, -117.9180, -32.5900



138.0170, -113.2900, -17.3380



162.0620, -55.2960, 10.9440

# Triad

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



138.0170, -113.2900, -17.3380



170.2770, 51.5290, 29.8090



159.4800, 6.1950, -29.6850

# Complementary

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



138.0170, -113.2900, -17.3380



114.9830, 113.2900, 17.3380

# 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.



163.7290, 36.5910, -18.8730



138.0170, -113.2900, -17.3380



168.2220, 61.3890, 16.3090

# Square

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



138.0170, -113.2900, -17.3380



172.1510, 25.7610, 34.2490



166.3930, 55.7530, -2.7030



152.9560, -33.3720, -33.9800



# Rectangle

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



138.0170, -113.2900, -17.3380



168.6530, -25.8630, 22.6890



166.3930, 55.7530, -2.7030



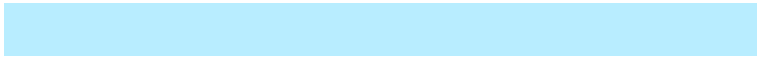
161.2210, 17.2900, -27.0140

# Sweetspot

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



138.0170, -113.2900, -17.3380



223.2050, -37.3660, -5.6380



151.3610, -76.4590, -95.6510



108.3870, -23.1990, -3.5750



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

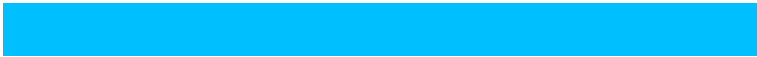


# Same Dimension

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



138.0170, -113.2900, -17.3380



141.1870, -134.3800, -20.5880



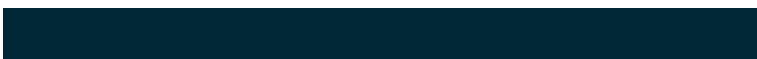
75.2080, -83.8650, 38.6230



111.9500, -5.7310, -0.7630



100.4660, -95.5010, -14.8370



29.6360, -28.3340, -4.1260



# Inverse Universe

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



101.6390, 76.4590, 95.6510



98.0190, 90.6690, 113.4610



177.7920, 83.8650, -38.6230



110.2010, 3.9880, 4.8200



69.6230, 64.2200, 80.6680

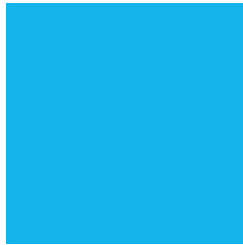


20.7060, 19.3440, 23.8880



# Previews

## White Background



This preview shows how the YIQ color 138.0170, -113.2900, -17.3380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

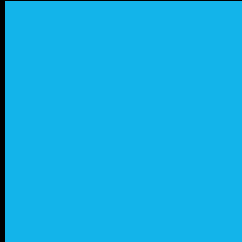
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 138.0170, -113.2900, -17.3380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

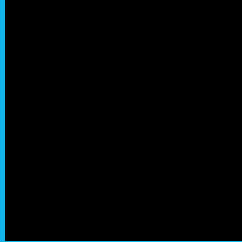
Any Text WCAG AA ✓ Pass

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 138.0170, -113.2900, -17.3380 Background



This preview shows how black text looks on a background with the YIQ color 138.0170, -113.2900, -17.3380.



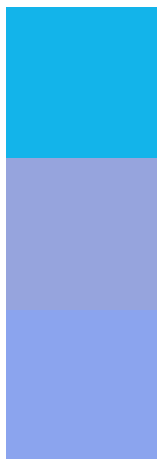
This preview shows how white text looks on a background with the YIQ color 138.0170, -113.2900, -17.3380.



# 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

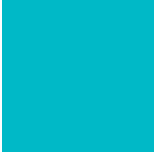
138.0170, -113.2900, -17.3380

### Protanopia

166.3120, -26.6410, 14.7590

### Deuteranopia

164.9610, -38.6540, 17.7140



## **Tritanopia**

131.2810, -114.7540, -34.8660

# Trichromacy



**Original Color**

138.0170, -113.2900, -17.3380

**Protanomaly**

156.0520, -58.5040, 3.0000

**Deuteranomaly**

155.0990, -65.8860, 4.6260

**Tritanomaly**

133.6820, -114.2050, -28.2930

# Monochromacy



**Original Color**

138.0170, -113.2900, -17.3380

**Achromatopsia**

138.0000, -0.0000, -0.0000

**Achromatomaly**

137.9380, -40.9880, -6.0760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.0170, -113.2900, -17.3380 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(19, 180, 234)` looks like.

```
.text, #text, p{  
    color:rgb(19, 180, 234)  
}
```

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(19, 180, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 180, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 138.0170, -113.2900, -17.3380 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(19, 180, 234) }
```



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

```
.border{ border-color:rgb(19, 180, 234) }
```

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

Here you see how a box with a 4 pixel rgb(19, 180, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 180, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 180, 234);  
box-shadow:4px 4px 4px 4px rgb(19, 180,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.0170, -113.2900, -17.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 180, 234) }
```

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

```
.background{ background-color: rgb(19, 180,  
234) }
```

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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