

# Converting Colors

YIQ(158.5860, -95.9590,  
-17.5510)

Have a look what the booklet for  
YIQ(158.5860, -95.9590, -17.5510)  
contains.

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# Color

**YIQ(158.5860, -95.9590,  
-17.5510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38C4EB
RGB	56, 196, 235
RGB Percent	22%, 77%, 92%
CMY	0.7806, 0.2311, 0.0788
CMYK	0.76, 0.17, 0.00, 0.08
HSL	193°, 82%, 57%
HSV	193°, 76%, 92%
XYZ	36.3600, 46.3370, 85.5455
YIQ	158.5860, -95.9590, -17.5510

# Conversions

## Conversions Part 2

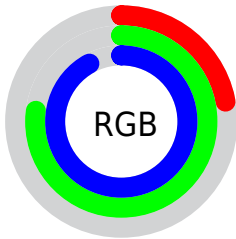
Format	Color
<a href="#">RYB</a>	<a href="#">56, 135, 235</a>
Decimal	<a href="#">3720427</a>
CIELab	<a href="#">73.76, -23.95, -29.78</a>
CIELCh	<a href="#">74, 38.216, 231.199</a>
Yxy	<a href="#">46.3370, 0.2161, 0.2754</a>
Android (android.graphics.Color)	<a href="#">4281910507 (0xFF38C4EB)</a>
YUV	<a href="#">158.5860, 37.6721, -89.9679</a>
Hunter-Lab	<a href="#">68.0713, -23.7799, -26.8600</a>

# Details

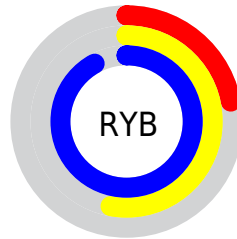
The YIQ color **158.5860, -95.9590, -17.5510** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **132.4140, 95.9590, 17.5510**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **216.1520, -74.5460, -25.6660**, and **103.7600, -96.5090, -18.5970** is the 20% darker color. If you saturate the color by 10%, you get **148.4750, -108.8880, -20.0240**, and if you desaturate by 10%, it is **168.3980, -83.6260, -15.2900**.

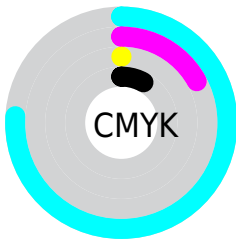
# Distribution



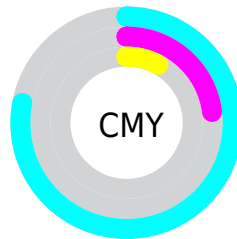
- Red (22%)
- Green (77%)
- Blue (92%)



- Red (22%)
- Yellow (53%)
- Blue (92%)



- Cyan (76%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)



- Cyan (78%)
- Magenta (23%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.5860, -95.9590, -17.5510 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 158.5860, -95.9590, -17.5510 by changing the saturation by 10% instead.



■ 158.5860,  
-95.9590, -17.5510

■ 158.5860,  
-95.9590, -17.5510

■ 255.0000, -0.0000,  
-0.0000

■ 122.8010,  
-112.9220, -24.0100

■ 215.8530,  
-75.1420, -25.8780

■ 103.7600,  
-96.5090, -18.5970

■ 226.5950,  
-56.6200, -20.1400

■ 85.4200, -80.6920,  
-13.3960

■ 235.8640,  
-38.1440, -13.5680

■ 68.3680, -65.7460,  
-8.9300

■ 245.4320,  
-19.0720, -6.7840

■ 51.4300, -51.1210,  
-4.1530

■ 254.7010, -0.5960,  
-0.2120

■ 35.1930, -37.0920,  
0.4120

■ 20.2440, -23.9340,

4.2420

■ 4.8220, -10.8220,  
8.9060

■ 0.4560, -1.2840,  
1.2440

■ 158.5860,  
-95.9590, -17.5510

■ 158.5860,  
-95.9590, -17.5510

■ 148.4750,  
-108.8880, -20.0240

■ 168.3980,  
-83.6260, -15.2900

■ 138.6630,  
-121.2210, -22.2850

■ 178.5090,  
-70.6970, -12.8170

■ 134.7980,  
-126.0350, -23.1470

■ 188.3210,  
-58.3640, -10.5560

■ 198.4320,  
-45.4350, -8.0830

■ 208.8310,  
-33.3770, -6.3450

■ 218.9420,  
-20.4480, -3.8720

■ 228.7540, -8.1150,  
-1.6110

■ 238.8650, 4.8140,  
0.8620

■ 245.0890, 9.9950,  
0.5790

# Harmonies

## Analogous

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



155.4210, -91.6010, -30.4570



158.5860, -95.9590, -17.5510



172.9420, -64.0060, 3.5940

# Triad

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



158.5860, -95.9590, -17.5510



185.6440, 40.2500, 30.4740



176.4000, 18.3440, -24.0880

# Complementary

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



158.5860, -95.9590, -17.5510



132.4140, 95.9590, 17.5510

# 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.



180.0660, 43.1920, -11.8480



158.5860, -95.9590, -17.5510



183.7470, 55.6570, 21.0730

# Square

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



158.5860, -95.9590, -17.5510



186.0290, 11.3650, 30.8290



182.3210, 56.2560, 4.7040



171.5300, -14.4370, -30.2210



# Rectangle

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



158.5860, -95.9590, -17.5510



179.9070, -38.5620, 16.0460



182.3210, 56.2560, 4.7040



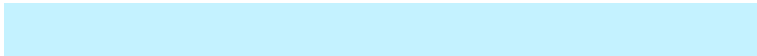
177.5970, 28.1550, -20.1730

# Sweetspot

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



158.5860, -95.9590, -17.5510



229.7280, -31.5890, -5.7090



165.5190, -61.7440, -81.4880



112.5400, -19.2560, -3.4480



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

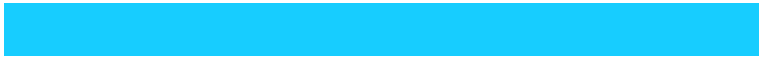


# Same Dimension

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



158.5860, -95.9590, -17.5510



156.2820, -124.5220, -23.0340



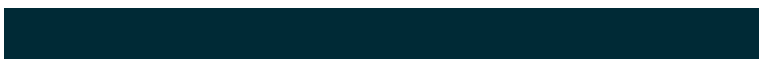
106.3430, -71.4840, 28.9960



112.5370, -6.0060, -1.2860



103.9880, -97.1510, -17.9750



30.8100, -28.8840, -5.1720



# Inverse Universe

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



125.4810, 61.7440, 81.4880



113.1160, 79.8500, 105.7860



184.6570, 71.4840, -28.9960



110.3150, 3.6670, 5.1310



70.3070, 62.2940, 82.5340

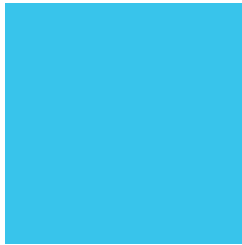


20.9340, 18.7020, 24.5100



# Previews

## White Background



This preview shows how the YIQ color 158.5860, -95.9590, -17.5510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

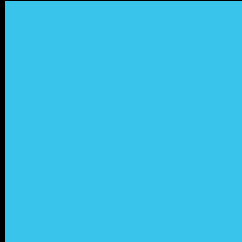
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 158.5860, -95.9590, -17.5510 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 158.5860, -95.9590, -17.5510 Background



This preview shows how black text looks on a background with the YIQ color 158.5860, -95.9590, -17.5510.



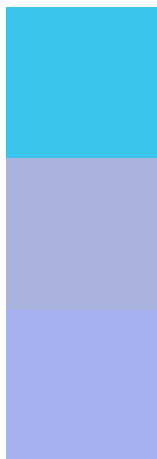
This preview shows how white text looks on a background with the YIQ color 158.5860, -95.9590, -17.5510.



# 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

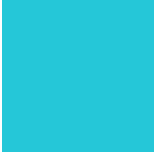
158.5860, -95.9590, -17.5510

### Protanopia

180.6240, -18.8920, 11.9880

### Deuteranopia

180.4800, -27.0540, 16.7380



## **Tritanopia**

152.5000, -102.0090, -29.0570

# Trichromacy



## Original Color

158.5860, -95.9590, -17.5510

## Protanomaly

173.0440, -46.8580, 1.1900

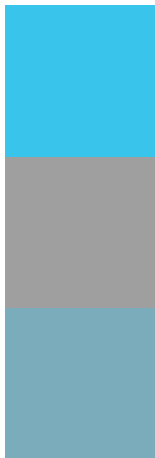
## Deuteranomaly

172.5150, -52.4980, 4.2860

## Tritanomaly

154.8040, -99.8090, -24.8730

# Monochromacy



## Original Color

158.5860, -95.9590, -17.5510

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.7600, -34.6150, -5.9350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.5860, -95.9590, -17.5510 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(56, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(56, 196, 235)  
}
```

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(56, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 196, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 158.5860, -95.9590, -17.5510 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(56, 196, 235) }
```



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

```
.border{ border-color:rgb(56, 196, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(56, 196,  
235) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.5860, -95.9590, -17.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 196, 235) }
```

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

```
.background{ background-color: rgb(56, 196,  
235) }
```

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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