

# Converting Colors

YIQ(156.7690, -100.7280,  
-13.7200)

Have a look what the booklet for  
YIQ(156.7690, -100.7280, -13.7200)  
contains.

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# Color

**YIQ(156.7690, -100.7280,  
-13.7200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34C1F5
RGB	52, 193, 245
RGB Percent	20%, 76%, 96%
CMY	0.7963, 0.2429, 0.0397
CMYK	0.79, 0.21, 0.00, 0.04
HSL	196°, 91%, 58%
HSV	196°, 79%, 96%
XYZ	36.9596, 45.4799, 93.1269
YIQ	156.7690, -100.7280, -13.7200

# Conversions

## Conversions Part 2

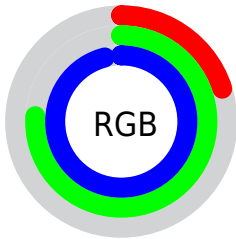
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	52, 133, 245
Decimal	3457525
CIE Lab	73.21, -19.56, -36.04
CIE LCh	73, 41.008, 241.508
Yxy	45.4799, 0.2105, 0.2590
Android (android.graphics.Color)	4281647605 (0xFF34C1F5)
YUV	156.7690, 43.4979, -91.8824
Hunter-Lab	67.4388, -20.1916, -34.6670

# Details

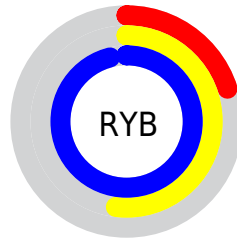
The YIQ color **156.7690, -100.7280, -13.7200** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **140.2310, 100.7280, 13.7200**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **214.0920, -74.3170, -24.3090**, and **103.1390, -98.8940, -13.9180** is the 20% darker color. If you saturate the color by 10%, you get **145.1850, -113.7030, -15.3590**, and if you desaturate by 10%, it is **168.0540, -88.3490, -12.2930**.

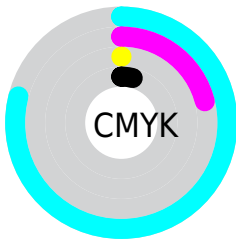
# Distribution



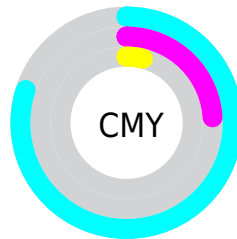
- Red (20%)
- Green (76%)
- Blue (96%)



- Red (20%)
- Yellow (52%)
- Blue (96%)



- Cyan (79%)
- Magenta (21%)
- Yellow (0%)
- Black (4%)



- Cyan (80%)
- Magenta (24%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.7690, -100.7280, -13.7200 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 156.7690, -100.7280, -13.7200 by changing the saturation by 10% instead.



■ 156.7690,  
-100.7280, -13.7200

■ 156.7690,  
-100.7280, -13.7200

■ 255.0000, -0.0000,  
-0.0000

■ 122.0660,  
-114.9860, -19.6420

■ 213.7930,  
-74.9130, -24.5210

■ 103.0250,  
-98.5730, -14.2290

■ 226.5950,  
-56.6200, -20.1400

■ 85.2720, -83.0310,  
-9.5510

■ 235.8640,  
-38.1440, -13.5680

■ 67.6330, -67.8100,  
-4.5620

■ 245.4320,  
-19.0720, -6.7840

■ 51.1680, -53.1390,  
-0.6190

■ 254.7010, -0.5960,  
-0.2120

■ 35.5180, -39.3850,  
3.4230

■ 20.4550, -25.9060,

6.9420

■ 6.2070, -13.3440,  
10.5600

■ 2.4110, -5.4110,  
4.4530

■ 156.7690,  
-100.7280, -13.7200

■ 156.7690,  
-100.7280, -13.7200

■ 145.1850,  
-113.7030, -15.3590

■ 168.0540,  
-88.3490, -12.2930

■ 134.4870,  
-126.3570, -17.3090

■ 179.0510,  
-75.0990, -10.1310

■ 133.0030,  
-127.8700, -17.4220

■ 190.3360,  
-62.7200, -8.7040

■ 201.3330,  
-49.4700, -6.5420

■ 212.6180,  
-37.0910, -5.1150

■ 224.2020,  
-24.1160, -3.4760

■ 234.9000,  
-11.4620, -1.5260

■ 246.4840, 1.5130,  
0.1130

■ 252.0990, 4.0350,  
-1.5410

# Harmonies

## Analogous

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



141.6650, -124.7030, -36.2790



156.7690, -100.7280, -13.7200



174.3500, -56.1670, 10.2090

# Triad

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



156.7690, -100.7280, -13.7200



183.2060, 50.2910, 30.2190



172.6760, 8.5790, -28.8370

# Complementary

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



156.7690, -100.7280, -13.7200



140.2310, 100.7280, 13.7200

# 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.



176.7400, 38.0580, -17.9260



156.7690, -100.7280, -13.7200



181.6350, 61.6640, 16.8320

# Square

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



156.7690, -100.7280, -13.7200



184.6670, 24.2480, 34.1360



179.6320, 56.5780, -1.1340



166.3370, -30.0710, -33.2310



# Rectangle

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



156.7690, -100.7280, -13.7200



180.8700, -27.9720, 22.3640



179.6320, 56.5780, -1.1340



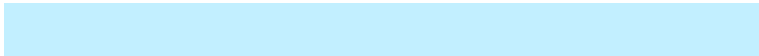
174.4170, 19.6740, -26.1660

# Sweetspot

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



156.7690, -100.7280, -13.7200



227.3690, -31.9560, -4.5640



171.1050, -69.4460, -85.0780



111.0670, -19.3020, -2.6140



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

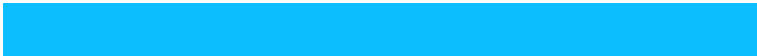


# Same Dimension

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



156.7690, -100.7280, -13.7200



144.4870, -126.3570, -17.3090



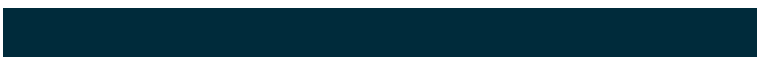
100.4170, -74.3280, 36.4880



116.6510, -6.3270, -0.9750



101.0360, -97.1060, -13.2820



31.9670, -30.7640, -4.1400



# Inverse Universe

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



125.7810, 69.7670, 84.7670



105.5360, 87.4150, 106.3510



196.5830, 74.3280, -36.4880



114.6140, 4.2630, 5.3430



71.1180, 67.2000, 81.7280

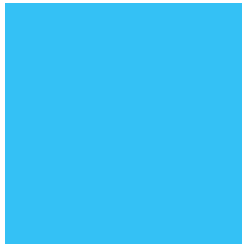


22.5430, 21.3610, 25.8810



# Previews

## White Background



This preview shows how the YIQ color 156.7690, -100.7280, -13.7200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

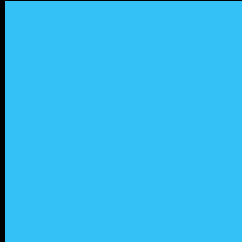
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.7690, -100.7280, -13.7200 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

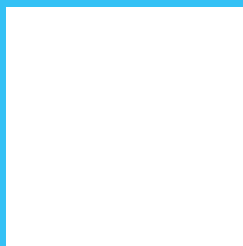
Any Text WCAG AAA ✓ Pass

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

# YIQ 156.7690, -100.7280, -13.7200 Background



This preview shows how black text looks on a background with the YIQ color 156.7690, -100.7280, -13.7200.



This preview shows how white text looks on a background with the YIQ color 156.7690, -100.7280, -13.7200.



# 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

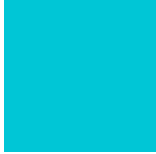
156.7690, -100.7280, -13.7200

### Protanopia

178.4970, -25.7240, 14.6600

### Deuteranopia

177.7440, -36.5450, 18.0390



## **Tritanopia**

140.6220, -123.1440, -37.0000

# Trichromacy



## Original Color

156.7690, -100.7280, -13.7200

## Protanomaly

170.6290, -52.8190, 4.5970

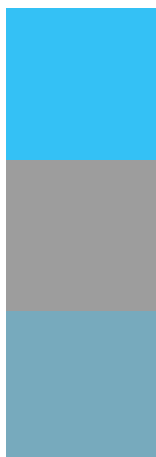
## Deuteranomaly

170.0890, -59.9260, 6.7460

## Tritanomaly

146.3830, -114.8010, -28.5050

# Monochromacy



## Original Color

156.7690, -100.7280, -13.7200

## Achromatopsia

157.0000, 0.0000, -0.0000

## Achromatomaly

156.9170, -36.4950, -4.9030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.7690, -100.7280, -13.7200 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(52, 193, 245)` looks like.

```
.text, #text, p{  
    color:rgb(52, 193, 245)  
}
```

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(52, 193, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 193, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 156.7690, -100.7280, -13.7200 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(52, 193, 245) }
```



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

```
.border{ border-color:rgb(52, 193, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 193, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 193, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 193, 245);  
box-shadow:4px 4px 4px 4px rgb(52, 193,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.7690, -100.7280, -13.7200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 193, 245) }
```

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

```
.background{ background-color: rgb(52, 193,  
245) }
```

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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