

# Converting Colors

YIQ(138.2620, -85.0980,  
11.3980)

Have a look what the booklet for  
YIQ(138.2620, -85.0980, 11.3980)  
contains.

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# Color

**YIQ(138.2620, -85.0980,  
11.3980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	409AFC
RGB	64, 154, 252
RGB Percent	25%, 60%, 99%
CMY	0.7491, 0.3959, 0.0122
CMYK	0.75, 0.39, 0.00, 0.01
HSL	211°, 97%, 62%
HSV	211°, 75%, 99%
XYZ	31.2277, 31.2340, 96.3907
YIQ	138.2620, -85.0980, 11.3980

# Conversions

## Conversions Part 2

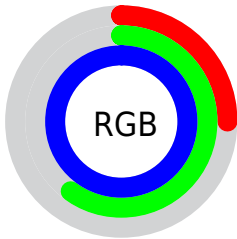
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	64, 125, 252
Decimal	4233980
CIE <sub>Lab</sub>	62.70, 5.77, -56.34
CIE <sub>LCh</sub>	63, 56.635, 275.847
Yxy	31.2340, 0.1966, 0.1966
Android (android.graphics.Color)	4282424060 (0xFF409AFC)
YUV	138.2620, 56.0728, -65.1278
Hunter-Lab	55.8874, 1.9357, -63.1381

# Details

The YIQ color **138.2620, -85.0980, 11.3980** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **177.7380, 85.0980, -11.3980**, and the grayscale version is **138.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **191.2320, -59.1910, -1.0710**, and **83.2780, -91.1950, 6.2530** is the 20% darker color. If you saturate the color by 10%, you get **123.1560, -96.4230, 12.8970**, and if you desaturate by 10%, it is **153.3680, -73.7730, 9.8990**.

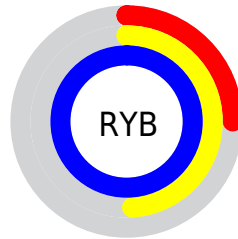
# Distribution



Red (25%)

Green (60%)

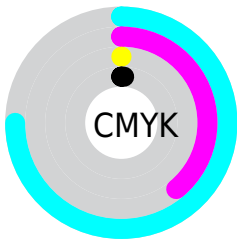
Blue (99%)



Red (25%)

Yellow (49%)

Blue (99%)

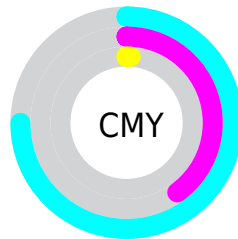


Cyan (75%)

Magenta (39%)

Yellow (0%)

Black (1%)



Cyan (75%)

Magenta (40%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.2620, -85.0980, 11.3980 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 138.2620, -85.0980, 11.3980 by changing the saturation by 10% instead.



■ 138.2620,  
-85.0980, 11.3980

■ 138.2620,  
-85.0980, 11.3980

255.0000, -0.0000,  
-0.0000

■ 100.5580,  
-106.7830, 2.4090

■ 191.2320,  
-59.1910, -1.0710

■ 83.2780, -91.1950,  
6.2530

■ 217.2360,  
-47.8190, -8.9310

■ 65.9980, -75.6070,  
10.0970

■ 237.6580,  
-34.5680, -12.2960

■ 50.0060, -60.8900,  
13.2060

■ 246.9270,  
-16.0920, -5.7240

■ 35.3020, -47.0440,  
15.5800

■ 20.1250, -33.2440,  
18.7880

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 138.2620,  
-85.0980, 11.3980

■ 138.2620,  
-85.0980, 11.3980

■ 123.1560,  
-96.4230, 12.8970

■ 153.3680,  
-73.7730, 9.8990

■ 108.0500,  
-107.7480, 14.3960

■ 168.4740,  
-62.4480, 8.4000

■ 99.7550,  
-114.1670, 15.0890

■ 183.8790,  
-50.5270, 7.1130

■ 199.5720,  
-39.4770, 5.0910

■ 214.6780,  
-28.1520, 3.5920

■ 229.7840,  
-16.8270, 2.0930

■ 244.8900, -5.5020,  
0.5940

■ 254.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

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



126.3180, -124.2030, -12.2910



138.2620, -85.0980, 11.3980



155.2670, -12.4320, 38.0960

# Triad

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



138.2620, -85.0980, 11.3980



149.4970, 79.7280, 19.8560



121.0390, -67.9390, -51.8030

# Complementary

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



138.2620, -85.0980, 11.3980



177.7380, 85.0980, -11.3980

# 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.



139.2480, 3.4920, -41.2760



138.2620, -85.0980, 11.3980



148.3590, 70.2880, -7.3120

# Square

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



138.2620, -85.0980, 11.3980



150.7080, 69.7290, 41.3850



144.9560, 45.7170, -30.0830



121.5520, -99.7600, -42.2880



# Rectangle

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



138.2620, -85.0980, 11.3980



155.8600, 22.6870, 45.9110



144.9560, 45.7170, -30.0830



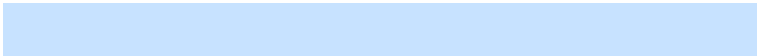
131.6100, -35.7540, -45.8820

# Sweetspot

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



138.2620, -85.0980, 11.3980



221.2330, -25.4010, 3.2950



185.4140, -82.8370, -68.1570



107.2680, -15.3140, 2.2060



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.



138.2620, -85.0980, 11.3980



115.7900, -104.0800, 14.0000



86.3290, -58.5600, 59.1040



117.0040, -5.8230, 0.9050



74.3760, -85.4190, 11.7090



23.9770, -27.5560, 3.8040



# Inverse Universe

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



130.4720, 83.1580, 67.8460



106.3100, 101.7700, 82.9700



229.6710, 58.5600, -59.1040



116.5710, 5.8220, 4.6220



66.7710, 83.7540, 68.0580



21.5450, 27.0470, 21.9510



# Previews

## White Background



This preview shows how the YIQ color 138.2620, -85.0980, 11.3980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

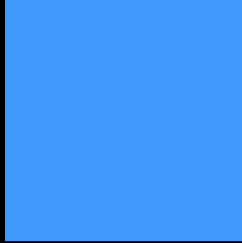
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 138.2620, -85.0980, 11.3980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

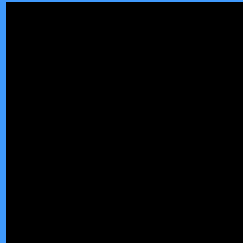
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

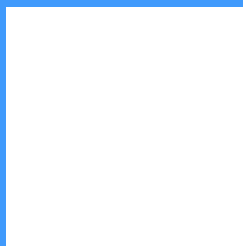
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 138.2620, -85.0980, 11.3980

## Background



This preview shows how black text looks on a background with the YIQ color 138.2620, -85.0980, 11.3980.



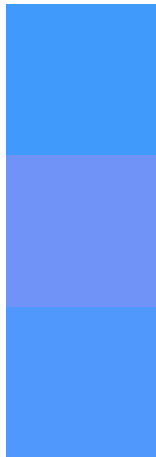
This preview shows how white text looks on a background with the YIQ color 138.2620, -85.0980, 11.3980.



# 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

138.2620, -85.0980, 11.3980

### Protanopia

147.5220, -53.2350, 23.1570

### Deuteranopia

142.1710, -74.4160, 16.0480



## Tritanopia

118.5490, -103.7050, -31.3610

# Trichromacy



## Original Color

138.2620, -85.0980, 11.3980

## Protanomaly

144.4280, -64.8340, 18.6060

## Deuteranomaly

140.9640, -78.2670, 14.2530

## Tritanomaly

125.4550, -96.9680, -15.7840

# Monochromacy



## Original Color

138.2620, -85.0980, 11.3980

## Achromatopsia

138.0000, -0.0000, -0.0000

## Achromatomaly

138.1230, -30.9030, 3.8890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.2620, -85.0980, 11.3980 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(64, 154, 252)` looks like.

```
.text, #text, p{  
    color:rgb(64, 154, 252)  
}
```

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(64, 154, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 154, 252) }
```

## Border

The CSS property to change the border of an element to YIQ 138.2620, -85.0980, 11.3980 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(64, 154, 252) }
```



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

```
.border{ border-color:rgb(64, 154, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 154, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 154, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 154, 252);  
box-shadow:4px 4px 4px 4px rgb(64, 154,  
252) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.2620, -85.0980, 11.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 154, 252) }
```

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

```
.background{ background-color: rgb(64, 154,  
252) }
```

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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