

# Converting Colors

YIQ(204.7690, -49.1430,  
-40.0150)

Have a look what the booklet for  
YIQ(204.7690, -49.1430, -40.0150)  
contains.

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# Color

**YIQ(204.7690, -49.1430,  
-40.0150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F4BF
RGB	133, 244, 191
RGB Percent	52%, 96%, 75%
CMY	0.4787, 0.0429, 0.2511
CMYK	0.46, 0.00, 0.22, 0.04
HSL	151°, 84%, 74%
HSV	151°, 46%, 96%
XYZ	51.4252, 73.4696, 60.7382
YIQ	204.7690, -49.1430, -40.0150

# Conversions

## Conversions Part 2

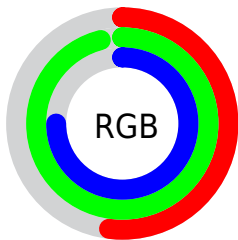
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 206, 244
Decimal	8778943
CIE <sub>Lab</sub>	88.67, -43.74, 15.83
CIE <sub>LCh</sub>	89, 46.519, 160.106
Yxy	73.4696, 0.2770, 0.3958
Android (android.graphics.Color)	4286969023 (0xFF85F4BF)
YUV	204.7690, -6.7881, -62.9414
Hunter-Lab	85.7144, -42.9073, 17.9865

# Details

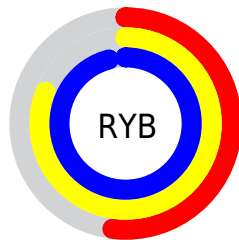
The YIQ color **204.7690, -49.1430, -40.0150** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **172.2310, 49.1430, 40.0150**, and the grayscale version is **205.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **234.9520, -35.5760, -16.0560**, and **147.8120, -50.7020, -39.2940** is the 20% darker color. If you saturate the color by 10%, you get **196.2250, -59.5950, -48.8350**, and if you desaturate by 10%, it is **213.3130, -38.6910, -31.1950**.

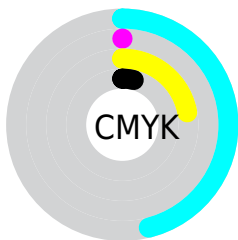
# Distribution



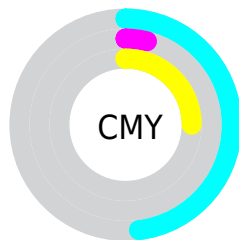
- Red (52%)
- Green (96%)
- Blue (75%)



- Red (52%)
- Yellow (81%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)



- Cyan (48%)
- Magenta (4%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 204.7690, -49.1430, -40.0150 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 204.7690, -49.1430, -40.0150 by changing the saturation by 10% instead.



■ 204.7690,  
-49.1430, -40.0150

■ 204.7690,  
-49.1430, -40.0150

■ 255.0000, -0.0000,  
-0.0000

■ 175.9970,  
-49.7850, -39.3930

■ 234.9520,  
-35.5760, -16.0560

■ 147.5130,  
-51.2980, -39.5060

■ 244.5350,  
-20.8600, -7.4200

■ 118.9470,  
-55.5160, -40.1560

■ 253.5050, -2.9800,  
-1.0600

■ 87.9890, -64.5020,  
-42.5020

■ 70.1050, -49.9690,  
-36.0570

■ 52.9220, -36.0320,  
-29.8240

■ 36.4400, -22.6910,

-23.8030

■ 21.1320, -9.9000,  
-18.8280

■ 0.0000, 0.0000,  
0.0000

■ 204.7690,  
-49.1430, -40.0150

■ 204.7690,  
-49.1430, -40.0150

■ 196.2250,  
-59.5950, -48.8350

■ 213.3130,  
-38.6910, -31.1950

■ 187.4960,  
-70.9640, -57.5560

■ 222.0420,  
-27.3220, -22.4740

■ 178.9520,  
-81.4160, -66.3760

■ 230.5860,  
-16.8700, -13.6540

■ 170.1090,  
-92.4640, -75.4080

■ 239.4290, -5.8220,  
-4.6220

■ 161.6790,  
-103.2370, -83.9170

■ 247.8590, 4.9510,  
3.8870

■ 157.7060,  
-107.8670, -88.1150

■ 248.5430, 3.0250,  
5.7530

# Harmonies

## Analogous

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



212.7730, -2.2400, -36.5120



204.7690, -49.1430, -40.0150



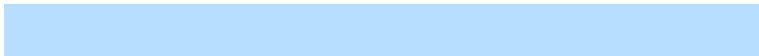
191.4530, -103.7950, -40.7470

# Triad

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



204.7690, -49.1430, -40.0150



214.1010, -33.8370, 1.9950



209.8620, 44.4270, 4.3230

# Complementary

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



204.7690, -49.1430, -40.0150



172.2310, 49.1430, 40.0150

# 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.



210.4270, 33.1910, 20.7350



204.7690, -49.1430, -40.0150



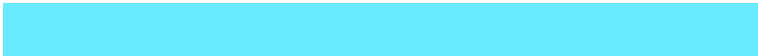
223.8450, 8.7070, 23.9310

# Square

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



204.7690, -49.1430, -40.0150



198.1110, -84.4960, -21.5520



217.9050, 17.6460, 32.6380



215.4750, 49.2900, -12.2300



# Rectangle

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



204.7690, -49.1430, -40.0150



178.2670, -138.5020, -45.0140



217.9050, 17.6460, 32.6380



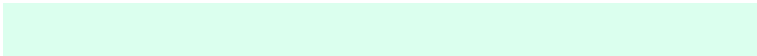
209.4690, 41.4000, 9.6240

# Sweetspot

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



204.7690, -49.1430, -40.0150



242.2980, -15.9990, -12.9190



214.3030, 1.6590, -46.6050



120.1680, -9.5810, -8.0850



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.



204.7690, -49.1430, -40.0150



205.5020, -61.9330, -50.5170



209.6370, -65.6060, -22.4860



117.8420, -5.5470, -4.0990



120.2400, -82.2870, -67.1110



38.1670, -26.1760, -21.2160



# Inverse Universe

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



172.2310, 49.1430, 40.0150



164.4980, 61.9330, 50.5170



167.3630, 65.6060, 22.4860



114.2720, 5.2260, 4.4100



65.7600, 82.2870, 67.1110

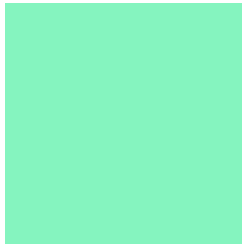


20.8330, 26.1760, 21.2160



# Previews

## White Background



This preview shows how the YIQ color 204.7690, -49.1430, -40.0150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

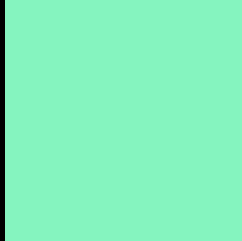
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 204.7690, -49.1430, -40.0150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

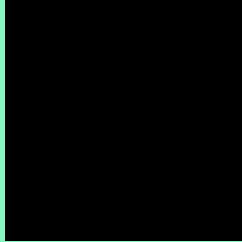
Any Text WCAG AA ✓ Pass

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 204.7690, -49.1430, -40.0150 Background



This preview shows how black text looks on a background with the YIQ color 204.7690, -49.1430, -40.0150.



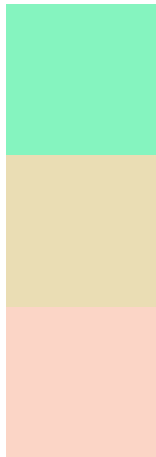
This preview shows how white text looks on a background with the YIQ color 204.7690, -49.1430, -40.0150.

-40.0150.

# 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

204.7690, -49.1430, -40.0150

### Protanopia

220.2130, 20.9090, -9.9950

### Deuteranopia

222.6520, 27.4630, 3.3910



## Tritanopia

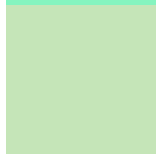
211.4520, -57.3550, -12.3230

# Trichromacy



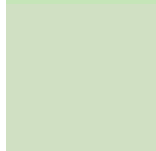
## Original Color

204.7690, -49.1430, -40.0150



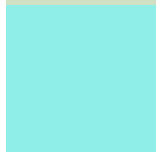
## Protanomaly

214.3020, -4.6270, -20.7790



## Deuteranomaly

215.9100, -0.2270, -12.4110



## Tritanomaly

208.7970, -54.3730, -22.3170

# Monochromacy



## Original Color

204.7690, -49.1430, -40.0150



## Achromatopsia

205.0000, -0.0000, 0.0000



## Achromatomaly

204.8740, -17.7410, -14.3890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 204.7690, -49.1430, -40.0150 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(133, 244, 191)` looks like.

```
.text, #text, p{  
    color:rgb(133, 244, 191)  
}
```

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(133, 244, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 244, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 204.7690, -49.1430, -40.0150 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(133, 244, 191) }
```



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

```
.border{ border-color:rgb(133, 244, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 244, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 244, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 244, 191);  
box-shadow:4px 4px 4px 4px rgb(133, 244,  
191) }
```

# Background

The CSS property to change the background color of an element to YIQ 204.7690, -49.1430, -40.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 244, 191) }
```

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

```
.background{ background-color: rgb(133,  
244, 191) }
```

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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