

# Converting Colors

YIQ(195.2710, -48.0410,  
-48.9770)

Have a look what the booklet for  
YIQ(195.2710, -48.0410, -48.9770)  
contains.

<b>YIQ(195.2710, -48.0410, -48.9770)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(195.2710, -48.0410,  
-48.9770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77F0A5
RGB	119, 240, 165
RGB Percent	47%, 94%, 65%
CMY	0.5337, 0.0586, 0.3531
CMYK	0.50, 0.00, 0.31, 0.06
HSL	143°, 80%, 70%
HSV	143°, 50%, 94%
XYZ	45.5595, 68.9813, 46.4947
YIQ	195.2710, -48.0410, -48.9770

# Conversions

## Conversions Part 2

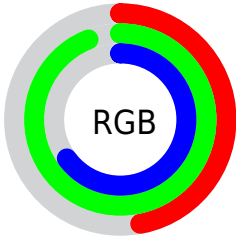
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 207, 240
Decimal	7860389
CIELab	86.49, -50.48, 26.11
CIElCh	86, 56.833, 152.653
Yxy	68.9813, 0.2829, 0.4284
Android (android.graphics.Color)	4286050469 (0xFF77F0A5)
YUV	195.2710, -14.9236, -66.8897
Hunter-Lab	83.0550, -47.4307, 24.9476

# Details

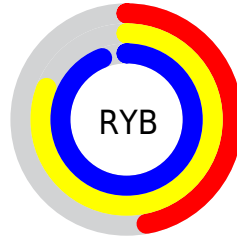
The YIQ color **195.2710, -48.0410, -48.9770** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **163.7290, 48.0410, 48.9770**, and the grayscale version is **195.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **227.9870, -34.6570, -27.2090**, and **137.3460, -52.6260, -48.4820** is the 20% darker color. If you saturate the color by 10%, you get **186.3850, -57.5300, -58.7300**, and if you desaturate by 10%, it is **204.1570, -38.5520, -39.2240**.

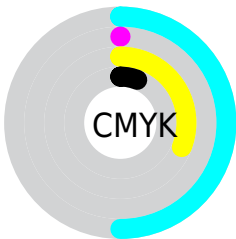
# Distribution



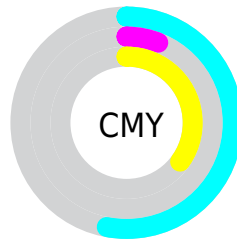
- Red (47%)
- Green (94%)
- Blue (65%)



- Red (47%)
- Yellow (81%)
- Blue (94%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (6%)



- Cyan (53%)
- Magenta (6%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.2710, -48.0410, -48.9770 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 195.2710, -48.0410, -48.9770 by changing the saturation by 10% instead.



■ 195.2710,  
-48.0410, -48.9770

■ 195.2710,  
-48.0410, -48.9770

■ 255.0000, -0.0000,  
-0.0000

■ 166.2000,  
-49.2790, -48.5670

■ 227.9870,  
-34.6570, -27.2090

■ 137.3460,  
-52.6260, -48.4820

■ 239.9640,  
-26.6820, -12.0420

■ 103.9960,  
-66.3800, -52.5240

■ 249.6180,  
-10.7280, -3.8160

■ 83.0190, -56.0190,  
-47.5630

■ 65.1350, -41.4860,  
-41.1180

■ 47.8380, -27.2280,  
-35.1960

■ 31.6980, -14.8500,

-28.2420

■ 18.1970, -8.5250,  
-16.2130

■ 0.0000, 0.0000,  
0.0000

■ 195.2710,  
-48.0410, -48.9770

■ 195.2710,  
-48.0410, -48.9770

■ 186.3850,  
-57.5300, -58.7300

■ 204.1570,  
-38.5520, -39.2240

■ 177.4990,  
-67.0190, -68.4830

■ 213.0430,  
-29.0630, -29.4710

■ 168.6130,  
-76.5080, -78.2360

■ 221.9290,  
-19.5740, -19.7180

■ 159.7270,  
-85.9970, -87.9890

■ 230.7010, -9.7640,  
-10.2760

■ 151.2540,  
-95.2110, -97.2190

■ 239.5870, -0.2750,  
-0.5230

■ 246.0810, 4.4460,  
7.5340

■ 246.1950, 4.1250,  
7.8450

# Harmonies

## Analogous

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



205.5430, 9.9110, -41.9690



195.2710, -48.0410, -48.9770



168.3080, -137.7200, -59.1920

# Triad

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



195.2710, -48.0410, -48.9770



198.2760, -62.4910, -7.3470



199.0850, 51.3490, 11.0370

# Complementary

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



195.2710, -48.0410, -48.9770



163.7290, 48.0410, 48.9770

# 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.



201.6050, 35.9860, 30.6580



195.2710, -48.0410, -48.9770



214.9300, -1.8380, 22.3060

# Square

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



195.2710, -48.0410, -48.9770



167.0150, -146.4800, -43.6000



211.5620, 20.3500, 38.7020



205.0910, 59.2390, -10.8170



# Rectangle

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



195.2710, -48.0410, -48.9770



172.2980, -148.9550, -48.3070



211.5620, 20.3500, 38.7020



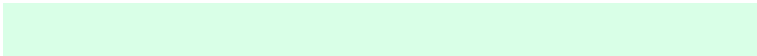
198.6750, 46.9920, 18.4160

# Sweetspot

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



195.2710, -48.0410, -48.9770



240.9020, -14.9440, -15.5200



213.0500, 12.6170, -46.9590



119.4130, -8.8930, -9.5410



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.



195.2710, -48.0410, -48.9770



197.4120, -62.1600, -62.9280



201.9970, -66.9800, -30.6280



115.5000, -4.5840, -5.0320



115.9880, -73.0700, -74.4620



35.2660, -22.1410, -22.7570



# Inverse Universe

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



163.7290, 48.0410, 48.9770



156.7020, 61.8390, 63.2390



157.0030, 66.9800, 30.6280



112.3860, 4.9050, 4.7210



68.0120, 73.0700, 74.4620

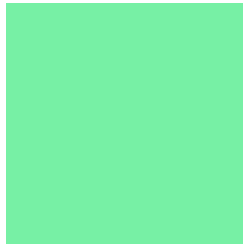


20.7340, 22.1410, 22.7570



# Previews

## White Background



This preview shows how the YIQ color 195.2710, -48.0410, -48.9770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

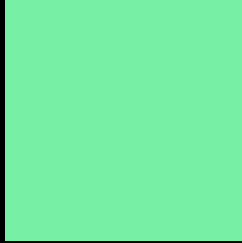
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 195.2710, -48.0410, -48.9770 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 195.2710, -48.0410, -48.9770 Background



This preview shows how black text looks on a background with the YIQ color 195.2710, -48.0410, -48.9770.



This preview shows how white text looks on a background with the YIQ color 195.2710, -48.0410, -48.9770.

-48.9770.

# 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

195.2710, -48.0410, -48.9770

### Protanopia

213.1290, 29.7130, -15.3670

### Deuteranopia

215.2800, 37.1380, -1.2460



## Tritanopia

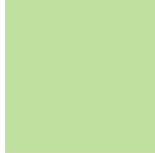
205.1420, -59.4180, -13.4820

# Trichromacy



## Original Color

195.2710, -48.0410, -48.9770



## Protanomaly

206.6090, 1.5180, -27.5220



## Deuteranomaly

207.6300, 6.1930, -18.6310



## Tritanomaly

201.6780, -55.6560, -26.6000

# Monochromacy



## Original Color

195.2710, -48.0410, -48.9770



## Achromatopsia

195.0000, -0.0000, 0.0000



## Achromatomaly

194.7660, -17.5570, -17.7250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.2710, -48.0410, -48.9770 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(119, 240, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 240, 165)  
}
```

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(119, 240, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 240, 165) }
```

## Border

The CSS property to change the border of an element to YIQ 195.2710, -48.0410, -48.9770 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(119, 240, 165) }
```



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

```
.border{ border-color:rgb(119, 240, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 240, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 240, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 240, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 240,  
165) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.2710, -48.0410, -48.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 240, 165) }
```

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

```
.background{ background-color: rgb(119,  
240, 165) }
```

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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