

Converting Colors

YIQ(199.4990, -48.6830,
-48.3550)

Have a look what the booklet for
YIQ(199.4990, -48.6830, -48.3550)
contains.

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Color

**YIQ(199.4990, -48.6830,
-48.3550)**

Conversions

Conversions Part 1

Format	Color
Hex	7BF4AB
RGB	123, 244, 171
RGB Percent	48%, 96%, 67%
CMY	0.5180, 0.0429, 0.3295
CMYK	0.50, 0.00, 0.30, 0.04
HSL	144°, 85%, 72%
HSV	144°, 50%, 96%
XYZ	47.8695, 71.8755, 49.8610
YIQ	199.4990, -48.6830, -48.3550

Conversions

Conversions Part 2

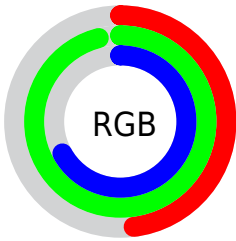
Format	Color
RYB	123, 210, 244
Decimal	8123563
CIELab	87.91, -50.07, 25.00
CIElCh	88, 55.963, 153.471
Yxy	71.8755, 0.2822, 0.4238
Android (android.graphics.Color)	4286313643 (0xFF7BF4AB)
YUV	199.4990, -14.0500, -67.0896
Hunter-Lab	84.7794, -47.5764, 24.4756

Details

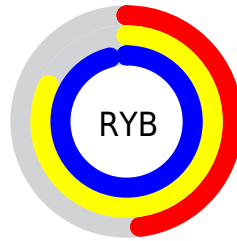
The YIQ color **199.4990, -48.6830, -48.3550** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **167.5010, 48.6830, 48.3550**, and the grayscale version is **200.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **229.9810, -34.5200, -24.1840**, and **141.7590, -52.3510, -47.9590** is the 20% darker color. If you saturate the color by 10%, you get **190.6130, -58.1720, -58.1080**, and if you desaturate by 10%, it is **208.3850, -39.1940, -38.6020**.

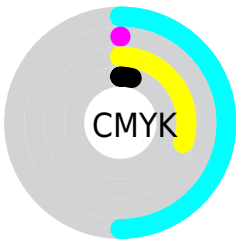
Distribution



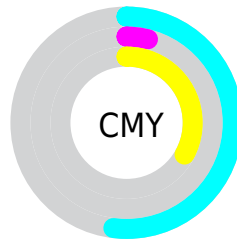
- Red (48%)
- Green (96%)
- Blue (67%)



- Red (48%)
- Yellow (82%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 199.4990, -48.6830, -48.3550 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 199.4990, -48.6830, -48.3550 by changing the saturation by 10% instead.


 199.4990,
-48.6830, -48.3550

 199.4990,
-48.6830, -48.3550


255.0000, -0.0000,
-0.0000


 170.4280,
-49.9210, -47.9450


 229.9810,
-34.5200, -24.1840


 141.4600,
-52.9470, -48.1710


 241.8440,
-26.2240, -9.3280

 109.6160,
-62.2540, -50.2060

 250.8140, -8.3440,
-2.9680

 85.9370, -58.7240,
-48.1000

 67.4660, -43.9160,
-41.1320

 50.1690, -29.6580,
-35.2100

 33.4590, -15.6750,

-29.8110

■ 20.5450, -9.6250,
-18.3050

■ 0.0000, 0.0000,
0.0000

■ 199.4990,
-48.6830, -48.3550

■ 199.4990,
-48.6830, -48.3550

■ 190.6130,
-58.1720, -58.1080

■ 208.3850,
-39.1940, -38.6020

■ 181.5420,
-68.5780, -67.7620


■ 217.4560,
-28.7880, -28.9480


■ 172.6560,
-78.0670, -77.5150


■ 226.3420,
-19.2990, -19.1950

■ 163.4710,
-88.1520, -87.4800

■ 235.5270, -9.2140,
-9.2300

 154.5850,
-97.6410, -97.2330

 244.4130, 0.2750,
0.5230

 154.2860,
-98.2370, -97.4450

 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.



210.0590, 8.3980, -42.0820



199.4990, -48.6830, -48.3550



171.2260, -140.4250, -59.7290

Triad

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



199.4990, -48.6830, -48.3550



203.6140, -57.6310, -7.3190



202.3620, 49.0110, 9.3550

Complementary

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



199.4990, -48.6830, -48.3550



167.5010, 48.6830, 48.3550

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.



204.7680, 33.9690, 28.6650



199.4990, -48.6830, -48.3550



218.4850, 0.9130, 22.0090

Square

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



199.4990, -48.6830, -48.3550



169.3630, -147.5800, -45.6920



213.9100, 19.2500, 36.6100



208.5960, 56.2590, -11.8770

Rectangle

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



199.4990, -48.6830, -48.3550



174.6460, -150.0550, -50.3990



213.9100, 19.2500, 36.6100



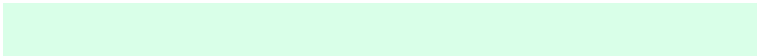
201.9520, 44.6540, 16.7340

Sweetspot

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



199.4990, -48.6830, -48.3550



241.0160, -15.2650, -15.2090



216.4520, 11.4250, -47.3830



119.5270, -9.2140, -9.2300



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.



199.4990, -48.6830, -48.3550



198.7650, -61.6560, -61.0480



206.2250, -67.6220, -30.0060



117.6140, -4.9050, -4.7210



117.6180, -74.9040, -74.2640



37.2550, -23.6080, -23.7040

Inverse Universe

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



167.5010, 48.6830, 48.3550



158.2350, 61.6560, 61.0480



160.7750, 67.6220, 30.0060



114.5000, 4.5840, 5.0320



68.3820, 74.9040, 74.2640



21.6310, 23.9290, 23.3930

Previews

White Background



This preview shows how the YIQ color 199.4990, -48.6830, -48.3550 looks on a white background.

Color Contrast Check

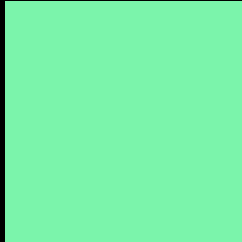
Large Text (above 18pt) WCAG AA × Fail

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 199.4990, -48.6830, -48.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

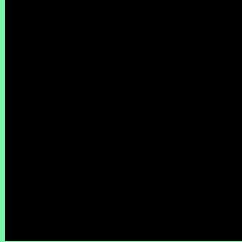
Any Text WCAG AA ✓ Pass

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 199.4990, -48.6830, -48.3550 Background



This preview shows how black text looks on a background with the YIQ color 199.4990, -48.6830, -48.3550.



This preview shows how white text looks on a background with the YIQ color 199.4990, -48.6830, -48.3550.

-48.3550.

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

199.4990, -48.6830, -48.3550

Protanopia

217.0580, 28.4750, -14.9570

Deuteranopia

219.5080, 36.4960, -0.6240



Tritanopia

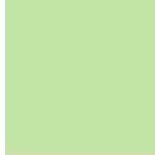
209.1420, -59.4180, -13.4820

Trichromacy



Original Color

199.4990, -48.6830, -48.3550



Protanomaly

210.5380, 0.2800, -27.1120



Deuteranomaly

211.8580, 5.5510, -18.0090



Tritanomaly

205.7920, -55.9770, -26.2890

Monochromacy



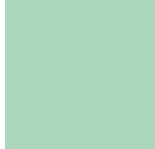
Original Color

199.4990, -48.6830, -48.3550



Achromatopsia

199.0000, -0.0000, 0.0000



Achromatomaly

198.8800, -17.8780, -17.4140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.4990, -48.6830, -48.3550 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(123, 244, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 244, 171)  
}
```

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(123, 244, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 244, 171) }
```

Border

The CSS property to change the border of an element to YIQ 199.4990, -48.6830, -48.3550 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(123, 244, 171) }
```


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

```
.border{ border-color:rgb(123, 244, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 244, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 244, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 244, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 244,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 199.4990, -48.6830, -48.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 244, 171) }
```

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

```
.background{ background-color: rgb(123,  
244, 171) }
```

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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