

# Converting Colors

YIQ(196.7230, -15.9980,  
-18.4460)

Have a look what the booklet for  
YIQ(196.7230, -15.9980, -18.4460)  
contains.

<b>YIQ(196.7230, -15.9980, -18.4460)</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(196.7230, -15.9980,  
-18.4460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD5B7
RGB	170, 213, 183
RGB Percent	67%, 84%, 72%
CMY	0.3334, 0.1646, 0.2824
CMYK	0.20, 0.00, 0.14, 0.16
HSL	138°, 34%, 75%
HSV	138°, 20%, 84%
XYZ	48.9158, 59.5586, 53.7120
YIQ	196.7230, -15.9980, -18.4460

# Conversions

## Conversions Part 2

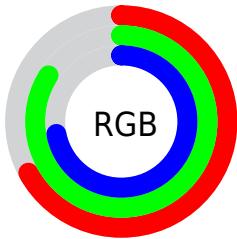
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 203, 213
Decimal	11195831
CIELab	81.60, -19.99, 10.24
CIELCh	82, 22.463, 152.868
Yxy	59.5586, 0.3016, 0.3672
Android (android.graphics.Color)	4289385911 (0xFFAAD5B7)
YUV	196.7230, -6.7654, -23.4361
Hunter-Lab	77.1742, -21.9151, 12.7571

# Details

The YIQ color **196.7230, -15.9980, -18.4460** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **186.2770, 15.9980, 18.4460**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **244.5050, -12.1480, -11.1240**, and **142.5490, -15.4480, -17.4000** is the 20% darker color. If you saturate the color by 10%, you get **188.7340, -23.6990, -27.5630**, and if you desaturate by 10%, it is **204.7120, -8.2970, -9.3290**.

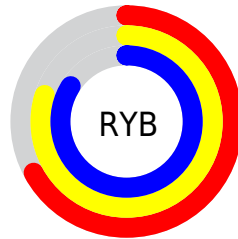
# Distribution



Red (67%)

Green (84%)

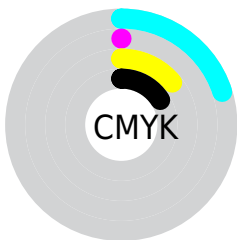
Blue (72%)



Red (67%)

Yellow (80%)

Blue (84%)

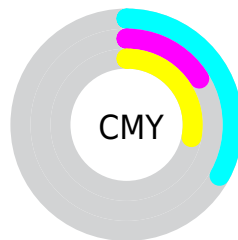


Cyan (20%)

Magenta (0%)

Yellow (14%)

Black (16%)



Cyan (33%)

Magenta (16%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 196.7230, -15.9980, -18.4460 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 196.7230, -15.9980, -18.4460 by changing the saturation by 10% instead.



■ 196.7230,  
-15.9980, -18.4460

■ 196.7230,  
-15.9980, -18.4460

255.0000, -0.0000,  
-0.0000

■ 169.1360,  
-15.7230, -17.9230

■ 244.5050,  
-12.1480, -11.1240

■ 142.5490,  
-15.4480, -17.4000

■ 116.9620,  
-15.1730, -16.8770

■ 92.3750, -14.8980,  
-16.3540

■ 67.9020, -14.9440,  
-15.5200

■ 45.0160, -15.2650,  
-15.2090

■ 23.4290, -14.9900,

-14.6860

■ 6.4570, -3.0250,  
-5.7530

■ 0.0000, 0.0000,  
0.0000

■ 196.7230,  
-15.9980, -18.4460

■ 196.7230,  
-15.9980, -18.4460

■ 188.7340,  
-23.6990, -27.5630

■ 204.7120, -8.2970,  
-9.3290

■ 180.4460,  
-31.9960, -36.8920

■ 213.0000, -0.0000,  
0.0000

■ 172.4570,  
-39.6970, -46.0090

■ 220.9890, 7.7010,  
9.1170

■ 164.5820,  
-47.7190, -54.8150

■ 228.8640, 15.7230,  
17.9230

■ 156.2940,  
-56.0160, -64.1440

■ 230.3460, 11.5500,  
21.9660

■ 148.3050,  
-63.7170, -73.2610

■ 140.3160,  
-71.4180, -82.3780

■ 132.3270,  
-79.1190, -91.4950

# Harmonies

## Analogous

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



199.1400, 4.8170, -15.7190



196.7230, -15.9980, -18.4460



194.6100, -34.6130, -16.9890

# Triad

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



196.7230, -15.9980, -18.4460



201.6830, -26.5480, 7.5640



205.7180, 36.2650, 9.0730

# Complementary

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



196.7230, -15.9980, -18.4460



186.2770, 15.9980, 18.4460

# 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.



206.5250, 29.7990, 16.1270



196.7230, -15.9980, -18.4460



205.2620, -6.0090, 15.2950

# Square

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



196.7230, -15.9980, -18.4460



197.5730, -41.2180, -1.9060



206.7930, 14.4850, 18.3330



203.9530, 33.7450, -0.3270



# Rectangle

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



196.7230, -15.9980, -18.4460



194.4120, -42.6830, -13.9070



206.7930, 14.4850, 18.3330



206.1140, 35.2100, 11.6740

# Sweetspot

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



196.7230, -15.9980, -18.4460



249.2610, -5.4090, -6.6010



204.2110, 6.0550, -16.1290



124.5110, -3.1170, -4.0850



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

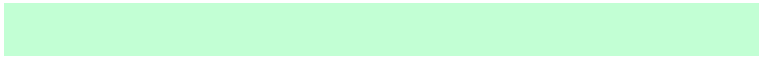


# Same Dimension

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



196.7230, -15.9980, -18.4460



231.8590, -22.5530, -26.3050



199.1170, -22.7390, -11.9150



102.9130, -4.3090, -4.5090



106.3050, -63.7170, -73.2610



26.7230, -15.9980, -18.4460



# Inverse Universe

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



186.2770, 15.9980, 18.4460



217.0270, 22.8740, 25.9940



183.8830, 22.7390, 11.9150



100.2010, 3.9880, 4.8200



64.6950, 63.7170, 73.2610

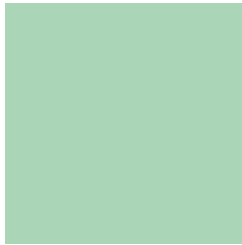


16.2770, 15.9980, 18.4460



# Previews

## White Background



This preview shows how the YIQ color 196.7230, -15.9980, -18.4460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

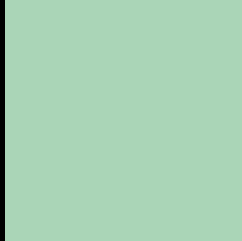
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 196.7230, -15.9980, -18.4460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

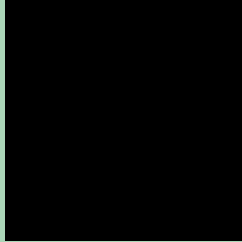
Any Text WCAG AA ✓ Pass

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 196.7230, -15.9980, -18.4460 Background



This preview shows how black text looks on a background with the YIQ color 196.7230, -15.9980, -18.4460.



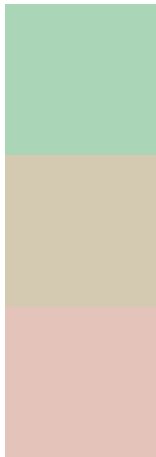
This preview shows how white text looks on a background with the YIQ color 196.7230, -15.9980, -18.4460.

-18.4460.

# 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

196.7230, -15.9980, -18.4460

### Protanopia

202.1400, 13.9850, -5.6550

### Deuteranopia

203.9550, 22.2360, 4.5080



## Tritanopia

199.9680, -23.3370, -1.0730

# Trichromacy



## Original Color

196.7230, -15.9980, -18.4460

## Protanomaly

200.2310, 3.3030, -10.3050

## Deuteranomaly

201.6710, 8.1160, -3.9160

## Tritanomaly

198.5350, -20.8600, -7.4200

# Monochromacy



## Original Color

196.7230, -15.9980, -18.4460

## Achromatopsia

197.0000, -0.0000, -0.0000

## Achromatomaly

196.9620, -6.0050, -6.8130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 196.7230, -15.9980, -18.4460 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(170, 213, 183)` looks like.

```
.text, #text, p{  
    color:rgb(170, 213, 183)  
}
```

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(170, 213, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 213, 183) }
```

## Border

The CSS property to change the border of an element to YIQ 196.7230, -15.9980, -18.4460 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(170, 213, 183) }
```



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

```
.border{ border-color:rgb(170, 213, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 213, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 213, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 213, 183); box-shadow:4px 4px 4px 4px rgb(170, 213, 183) }
```

# Background

The CSS property to change the background color of an element to YIQ 196.7230, -15.9980, -18.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 213, 183) }
```

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

```
.background{ background-color: rgb(170,  
213, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor