

# Converting Colors

YIQ(166.6830, -1.3260,  
-20.0300)

Have a look what the booklet for  
YIQ(166.6830, -1.3260, -20.0300)  
contains.

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# Color

**YIQ(166.6830, -1.3260,  
-20.0300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99B486
RGB	153, 180, 134
RGB Percent	60%, 71%, 53%
CMY	0.4001, 0.2941, 0.4745
CMYK	0.15, 0.00, 0.26, 0.29
HSL	95°, 23%, 62%
HSV	95°, 26%, 71%
XYZ	33.7595, 41.1385, 28.7183
YIQ	166.6830, -1.3260, -20.0300

# Conversions

## Conversions Part 2

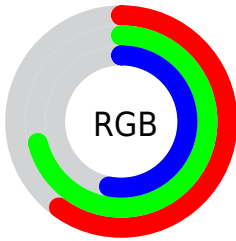
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 180, 161
Decimal	10073222
CIELab	70.27, -17.77, 20.48
CIELCh	70, 27.117, 130.938
Yxy	41.1385, 0.3258, 0.3970
Android (android.graphics.Color)	4288263302 (0xFF99B486)
YUV	166.6830, -16.1127, -12.0000
Hunter-Lab	64.1393, -18.2908, 18.3505

# Details

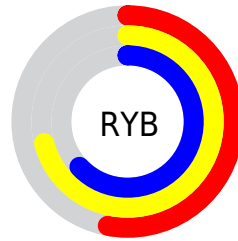
The YIQ color **166.6830, -1.3260, -20.0300** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **147.3170, 1.3260, 20.0300**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.0420, -0.9590, -21.1750**, and **114.3240, -1.6930, -18.8850** is the 20% darker color. If you saturate the color by 10%, you get **161.3420, -2.1040, -27.9600**, and if you desaturate by 10%, it is **172.0240, -0.5480, -12.1000**.

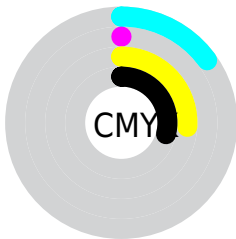
# Distribution



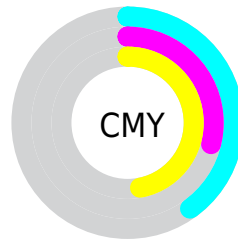
- Red (60%)
- Green (71%)
- Blue (53%)



- Red (53%)
- Yellow (71%)
- Blue (63%)



- Cyan (15%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)



- Cyan (40%)
- Magenta (29%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.6830, -1.3260, -20.0300 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 166.6830, -1.3260, -20.0300 by changing the saturation by 10% instead.



■ 166.6830, -1.3260,  
-20.0300

■ 166.6830, -1.3260,  
-20.0300

■ 255.0000, -0.0000,  
-0.0000

■ 140.2100, -1.3720,  
-19.1960

■ 222.0420, -0.9590,  
-21.1750

■ 114.3240, -1.6930,  
-18.8850

■ 244.7590, 1.5160,  
-16.4680

■ 89.8510, -1.7390,  
-18.0510

■ 253.7460, 3.5310,  
-3.4210

■ 65.9650, -2.0600,  
-17.7400

■ 43.4920, -2.1060,  
-16.9060

■ 22.3610, -3.1150,  
-15.1390

■ 1.1740, -0.5500,

-1.0460

■ 0.0000, 0.0000,  
0.0000

■ 166.6830, -1.3260,  
-20.0300

■ 166.6830, -1.3260,  
-20.0300

■ 161.3420, -2.1040,  
-27.9600

■ 172.0240, -0.5480,  
-12.1000

■ 156.3000, -2.2860,  
-35.6780

■ 177.0660, -0.3660,  
-4.3820

■ 150.9590, -3.0640,  
-43.6080

■ 182.4070, 0.4120,  
3.5480

■ 145.9170, -3.2460,  
-51.3260

■ 187.4490, 0.5940,  
11.2660

■ 140.5760, -4.0240,  
-59.2560

■ 192.7900, 1.3720,  
19.1960

■ 135.2350, -4.8020,  
-67.1860

■ 197.8320, 1.5540,  
26.9140

■ 130.1930, -4.9840,  
-74.9040

■ 202.6030, 3.9370,  
33.2890

■ 127.7860, -5.3960,  
-78.4520

■ 205.8920, 10.4930,  
35.6210

■ 208.8820, 16.4530,  
37.7410

# Harmonies

## Analogous

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



169.6920, 20.8180, -13.8540



166.6830, -1.3260, -20.0300



163.0530, -25.8550, -21.5270

# Triad

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



166.6830, -1.3260, -20.0300



165.8050, -47.6830, -0.3790



175.1730, 36.7220, 17.3140

# Complementary

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



166.6830, -1.3260, -20.0300



147.3170, 1.3260, 20.0300

# 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.



176.0930, 22.5080, 21.6120



166.6830, -1.3260, -20.0300



171.5030, -25.8610, 11.6350

# Square

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



166.6830, -1.3260, -20.0300



160.4520, -57.3550, -12.3230



174.8330, -0.1870, 19.9170



173.4150, 41.4920, 7.9560



# Rectangle

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



166.6830, -1.3260, -20.0300



161.3810, -41.3980, -20.6780



174.8330, -0.1870, 19.9170



175.4870, 32.9620, 19.3780

# Sweetspot

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



166.6830, -1.3260, -20.0300



229.5450, -0.4570, -8.2410



163.6030, 19.9910, -4.3690



113.6530, -0.6410, -4.9050



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



166.6830, -1.3260, -20.0300



213.8210, -2.1950, -31.8190



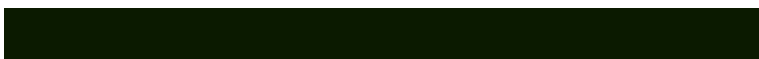
161.4580, -13.9340, -22.8140



86.4790, -0.0910, -3.8590



108.6480, -4.5270, -66.6630



18.5510, -0.5940, -11.2660



# Inverse Universe

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



147.3170, 1.3260, 20.0300



183.1790, 2.1950, 31.8190



152.5420, 13.9340, 22.8140



82.8200, 0.6870, 4.0710



44.3520, 4.5270, 66.6630



7.4490, 0.5940, 11.2660



# Previews

## White Background



This preview shows how the YIQ color 166.6830, -1.3260, -20.0300 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 166.6830, -1.3260, -20.0300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

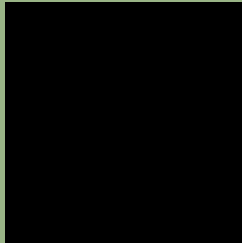
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 166.6830, -1.3260, -20.0300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 166.6830, -1.3260, -20.0300.



This preview shows how white text looks on a background with the YIQ color 166.6830, -1.3260,

-20.0300.

# 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

166.6830, -1.3260, -20.0300

### Protanopia

169.9140, 20.3130, -10.2070

### Deuteranopia

172.2730, 29.8480, -1.2880



## Tritanopia

171.0080, -11.6460, 1.8100

# Trichromacy



## Original Color

166.6830, -1.3260, -20.0300

## Protanomaly

168.5000, 12.6110, -13.7970

## Deuteranomaly

170.0110, 18.6620, -7.8180

## Tritanomaly

169.7060, -8.1600, -6.3040

# Monochromacy



## Original Color

166.6830, -1.3260, -20.0300

## Achromatopsia

167.0000, -0.0000, -0.0000

## Achromatomaly

167.0720, -0.5030, -7.4070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.6830, -1.3260, -20.0300 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(153, 180, 134)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 134)  
}
```

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(153, 180, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 134) }
```

## Border

The CSS property to change the border of an element to YIQ 166.6830, -1.3260, -20.0300 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(153, 180, 134) }
```



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

```
.border{ border-color:rgb(153, 180, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 134);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
134) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.6830, -1.3260, -20.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 134) }
```

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

```
.background{ background-color: rgb(153,  
180, 134) }
```

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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