

# Converting Colors

YIQ(103.1020, 7.9800, -12.4680)

Have a look what the booklet for  
YIQ(103.1020, 7.9800, -12.4680)  
contains.

<b>YIQ(103.1020, 7.9800, -12.4680)</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(103.1020, 7.9800,  
-12.4680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	676D49
RGB	103, 109, 73
RGB Percent	40%, 43%, 29%
CMY	0.5961, 0.5725, 0.7137
CMYK	0.06, 0.00, 0.33, 0.57
HSL	70°, 20%, 36%
HSV	70°, 33%, 43%
XYZ	12.2644, 14.3020, 8.4201
YIQ	103.1020, 7.9800, -12.4680

# Conversions

## Conversions Part 2

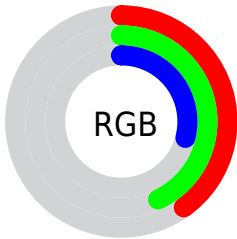
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 109, 79
Decimal	6778185
CIELab	44.66, -8.82, 19.38
CIElCh	45, 21.294, 114.459
Yxy	14.3020, 0.3505, 0.4088
Android (android.graphics.Color)	4284968265 (0xFF676D49)
YUV	103.1020, -14.8403, -0.0895
Hunter-Lab	37.8180, -8.2938, 13.2718

# Details

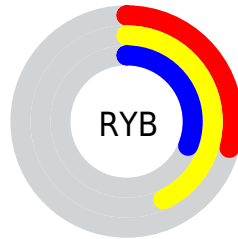
The YIQ color  $103.1020, 7.9800, -12.4680$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $78.8980, -7.9800, 12.4680$ , and the grayscale version is  $103.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $154.1730, 9.2180, -12.8780$ , and  $56.0310, 6.7420, -12.0580$  is the 20% darker color. If you saturate the color by 10%, you get  $101.2500, 10.3190, -16.3130$ , and if you desaturate by 10%, it is  $104.9540, 5.6410, -8.6230$ .

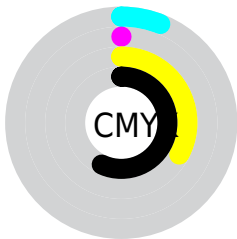
# Distribution



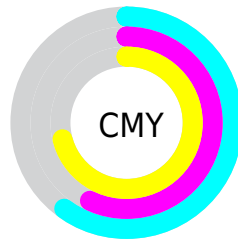
- Red (40%)
- Green (43%)
- Blue (29%)



- Red (29%)
- Yellow (43%)
- Blue (31%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.1020, 7.9800, -12.4680 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 103.1020, 7.9800, -12.4680 by changing the saturation by 10% instead.



103.1020, 7.9800,  
-12.4680

103.1020, 7.9800,  
-12.4680

255.0000, -0.0000,  
-0.0000

79.2160, 7.6590,  
-12.1570

154.1730, 9.2180,  
-12.8780

56.0310, 6.7420,  
-12.0580

181.0590, 9.5390,  
-13.1890

34.2160, 7.6590,  
-12.1570

208.6460, 9.2640,  
-13.7120

12.6370, -3.7120,  
-9.8240

237.4180, 9.9060,  
-14.3340

0.0000, 0.0000,  
0.0000

252.1500, 8.0250,  
-7.7750

■ 103.1020, 7.9800,  
-12.4680

■ 103.1020, 7.9800,  
-12.4680

■ 101.2500, 10.3190,  
-16.3130

■ 104.9540, 5.6410,  
-8.6230

■ 99.3980, 12.6580,  
-20.1580

■ 106.8060, 3.3020,  
-4.7780

■ 97.8450, 15.5930,  
-23.7910

■ 108.3590, 0.3670,  
-1.1450

■ 95.9930, 17.9320,  
-27.6360

■ 110.2110, -1.9720,  
2.7000

■ 94.2550, 19.9500,  
-31.1700

■ 112.0630, -4.3110,  
6.5450

■ 92.4030, 22.2890,  
-35.0150

■ 113.8010, -6.3290,  
10.0790

■ 91.1920, 24.2610,  
-37.7150

■ 115.6530, -8.6680,  
13.9240

■ 117.5050,

-11.0070, 17.7690

■ 119.0580,  
-13.9420, 21.4020

# Harmonies

## Analogous

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



104.6200, 21.3210, -6.4470



103.1020, 7.9800, -12.4680



100.8380, -8.8920, -15.0680

# Triad

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



103.1020, 7.9800, -12.4680



98.0520, -41.3090, -5.7650



108.3930, 21.3630, 14.8270

# Complementary

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



103.1020, 7.9800, -12.4680



78.8980, -7.9800, 12.4680

# 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.



108.0910, 7.6540, 15.4780



103.1020, 7.9800, -12.4680



102.7920, -28.4730, 3.9030

# Square

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



103.1020, 7.9800, -12.4680



95.8360, -40.9410, -12.4370



106.7020, -10.3640, 11.6200



107.2380, 28.9290, 9.8650



# Rectangle

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



103.1020, 7.9800, -12.4680



99.0800, -21.3170, -15.6610



106.7020, -10.3640, 11.6200



108.1800, 17.6490, 16.0570

# Sweetspot

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



103.1020, 7.9800, -12.4680



140.5070, 2.7060, -4.9900



87.2860, 19.8060, 4.4940



69.7890, 1.9720, -2.7000



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



103.1020, 7.9800, -12.4680



133.5120, 12.3370, -19.8470



97.7200, -2.7480, -16.2840



53.0170, 1.3300, -2.0780



97.9810, 26.2330, -40.4150



204.8110, 54.2090, -84.8870



# Inverse Universe

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



78.8980, -7.9800, 12.4680



95.1890, -12.9330, 19.6350



84.2800, 2.7480, 16.2840



48.9830, -1.3300, 2.0780



19.3180, -25.6370, 40.6270



40.1890, -54.2090, 84.8870



# Previews

## White Background



This preview shows how the YIQ color 103.1020, 7.9800, -12.4680 looks on a white 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 × Fail



# Black Background



This preview shows how the YIQ color 103.1020, 7.9800, -12.4680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

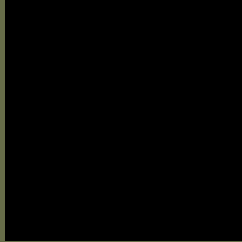
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 103.1020, 7.9800, -12.4680

## Background



This preview shows how black text looks on a background with the YIQ color 103.1020, 7.9800, -12.4680.



This preview shows how white text looks on a background with the YIQ color 103.1020, 7.9800,

-12.4680.

# 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

103.1020, 7.9800, -12.4680

### Protanopia

103.9290, 15.9570, -8.3550

### Deuteranopia

105.5110, 23.2460, -2.7860



## Tritanopia

106.1080, -0.1840, 3.3360

# Trichromacy



## Original Color

103.1020, 7.9800, -12.4680

## Protanomaly

103.3200, 13.2980, -9.7260

## Deuteranomaly

104.7660, 17.9740, -6.3620

## Tritanomaly

105.0880, 2.5680, -2.4880

# Monochromacy



## Original Color

103.1020, 7.9800, -12.4680

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.9200, 2.9810, -4.4670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.1020, 7.9800, -12.4680 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(103, 109, 73)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 73)  
}
```

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(103, 109, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 73) }
```

## Border

The CSS property to change the border of an element to YIQ 103.1020, 7.9800, -12.4680 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(103, 109, 73) }
```



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

```
.border{ border-color:rgb(103, 109, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 109, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 73);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
73) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.1020, 7.9800, -12.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 73) }
```

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

```
.background{ background-color: rgb(103,  
109, 73) }
```

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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