

# Converting Colors

YIQ(167.8570, 24.4870,  
-19.7770)

Have a look what the booklet for  
YIQ(167.8570, 24.4870, -19.7770)  
contains.

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# Color

**YIQ(167.8570, 24.4870,  
-19.7770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3AE6B
RGB	179, 174, 107
RGB Percent	70%, 68%, 42%
CMY	0.2981, 0.3176, 0.5802
CMYK	0.00, 0.03, 0.40, 0.30
HSL	56°, 32%, 56%
HSV	56°, 40%, 70%
XYZ	36.3801, 40.9164, 19.9006
YIQ	167.8570, 24.4870, -19.7770

# Conversions

## Conversions Part 2

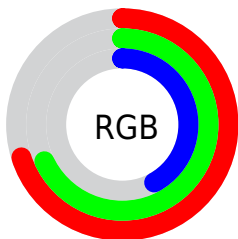
Format	Color
<a href="#">RYB</a>	<a href="#">112, 179, 107</a>
Decimal	<a href="#">11775595</a>
CIELab	<a href="#">70.12, -8.16, 34.98</a>
CIELCh	<a href="#">70, 35.917, 103.136</a>
Yxy	<a href="#">40.9164, 0.3743, 0.4210</a>
Android (android.graphics.Color)	<a href="#">4289965675 (0xFFB3AE6B)</a>
YUV	<a href="#">167.8570, -30.0025, 9.7724</a>
Hunter-Lab	<a href="#">63.9659, -10.4198, 26.3302</a>

# Details

The YIQ color **167.8570, 24.4870, -19.7770** is a light color, and the websafe version is hex **999966**. A complement of this color would be **118.1430, -24.4870, 19.7770**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **223.1130, 26.6420, -20.2860**, and **115.6010, 22.3320, -19.2680** is the 20% darker color. If you saturate the color by 10%, you get **165.2180, 30.5400, -24.8520**, and if you desaturate by 10%, it is **170.4960, 18.4340, -14.7020**.

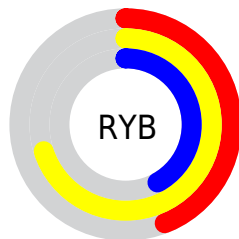
# Distribution



Red (70%)

Green (68%)

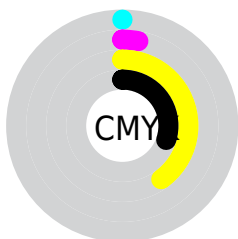
Blue (42%)



Red (44%)

Yellow (70%)

Blue (42%)

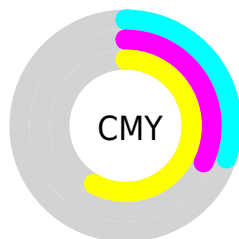


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (30%)



Cyan (30%)

Magenta (32%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 167.8570, 24.4870, -19.7770 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 167.8570, 24.4870, -19.7770 by changing the saturation by 10% instead.



■ 167.8570, 24.4870,  
-19.7770

■ 167.8570, 24.4870,  
-19.7770

■ 255.0000, -0.0000,  
-0.0000

■ 141.0850, 23.8450,  
-19.1550

■ 223.1130, 26.6420,  
-20.2860

■ 115.6010, 22.3320,  
-19.2680

■ 247.2480, 21.8280,  
-21.1480

■ 90.4160, 21.4150,  
-19.1690

■ 250.4400, 12.8400,  
-12.4400

■ 66.0030, 21.1400,  
-19.6920

■ 253.6320, 3.8520,  
-3.7320

■ 45.1860, 16.3710,  
-15.8610

■ 25.3840, 7.2460,  
-10.1780

■ 0.5870, -0.2750,

-0.5230

■ 0.0000, 0.0000,  
0.0000

■ 167.8570, 24.4870,  
-19.7770

■ 167.8570, 24.4870,  
-19.7770

■ 165.2180, 30.5400,  
-24.8520

■ 170.4960, 18.4340,  
-14.7020

■ 162.5790, 36.5930,  
-29.9270

■ 173.1350, 12.3810,  
-9.6270

■ 159.3530, 42.9210,  
-34.4790

■ 176.3610, 6.0530,  
-5.0750

■ 156.7140, 48.9740,  
-39.5540

■ 179.0000, -0.0000,  
-0.0000

■ 154.1890, 54.7060,  
-44.3180

■ 181.6390, -6.0530,  
5.0750

■ 151.5500, 60.7590,  
-49.3930

■ 184.1640,  
-11.7850, 9.8390

■ 187.3900,  
-18.1130, 14.3910

■ 190.0290,  
-24.1660, 19.4660

■ 191.1860,  
-26.0460, 20.4980

# Harmonies

## Analogous

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



170.5980, 44.7500, -7.0420



167.8570, 24.4870, -19.7770



164.2000, -4.5800, -27.1400

# Triad

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



167.8570, 24.4870, -19.7770



148.9300, -91.2360, -20.5480



176.2130, 31.2180, 28.9620

# Complementary

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



167.8570, 24.4870, -19.7770



118.1430, -24.4870, 19.7770

# 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.



175.7180, 1.8750, 26.6030



167.8570, 24.4870, -19.7770



160.6270, -67.6730, -1.5370

# Square

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



167.8570, 24.4870, -19.7770



150.2720, -75.0040, -28.3800



170.8320, -33.9770, 15.5510



173.9790, 49.1920, 22.6000



# Rectangle

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



167.8570, 24.4870, -19.7770



159.9400, -27.2750, -28.8350



170.8320, -33.9770, 15.5510



176.1350, 22.6900, 29.3300

# Sweetspot

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



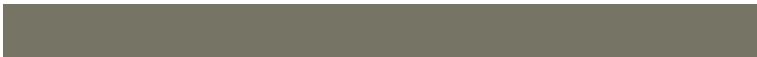
167.8570, 24.4870, -19.7770



227.6340, 9.5380, -7.6620



129.2120, 40.9860, 17.1300



114.5890, 5.4110, -4.4530



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.



167.8570, 24.4870, -19.7770



214.6500, 37.8310, -30.3370



161.8220, 5.2320, -28.7520



87.9740, 2.8890, -2.7990



129.1010, 52.1380, -41.8300



21.8620, 8.8960, -7.0400



# Inverse Universe

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



118.1430, -24.4870, 19.7770



137.7630, -37.5560, 30.8600



124.1780, -5.2320, 28.7520



81.6130, -3.1640, 2.2760



23.8990, -52.1380, 41.8300



4.1380, -8.8960, 7.0400



# Previews

## White Background



This preview shows how the YIQ color 167.8570, 24.4870, -19.7770 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 167.8570, 24.4870, -19.7770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

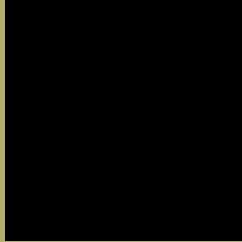
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 167.8570, 24.4870, -19.7770

## Background



This preview shows how black text looks on a background with the YIQ color 167.8570, 24.4870, -19.7770.



This preview shows how white text looks on a background with the YIQ color 167.8570, 24.4870, -19.7770.

-19.7770.

# 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

167.8570, 24.4870, -19.7770

### Protanopia

168.3740, 30.4010, -16.8230

### Deuteranopia

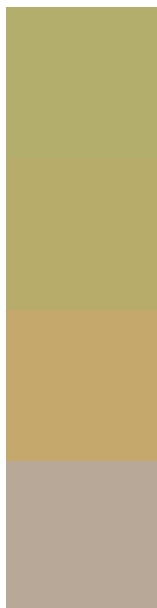
170.5870, 43.2830, -7.9890



## Tritanopia

173.0600, 8.9390, 8.7070

# Trichromacy



## Original Color

167.8570, 24.4870, -19.7770

## Protanomaly

168.0640, 28.3380, -17.9820

## Deuteranomaly

169.8310, 36.5440, -12.5120

## Tritanomaly

170.9600, 14.6720, -1.5840

# Monochromacy



## Original Color

167.8570, 24.4870, -19.7770

## Achromatopsia

168.0000, -0.0000, -0.0000

## Achromatomaly

167.8620, 8.8960, -7.0400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 167.8570, 24.4870, -19.7770 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(179, 174, 107)` looks like.

```
.text, #text, p{  
    color:rgb(179, 174, 107)  
}
```

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(179, 174, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 174, 107) }
```

## Border

The CSS property to change the border of an element to YIQ 167.8570, 24.4870, -19.7770 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(179, 174, 107) }
```



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

```
.border{ border-color:rgb(179, 174, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 174, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 174, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 174, 107);  
box-shadow:4px 4px 4px 4px rgb(179, 174,  
107) }
```

# Background

The CSS property to change the background color of an element to YIQ 167.8570, 24.4870, -19.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 174, 107) }
```

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

```
.background{ background-color: rgb(179,  
174, 107) }
```

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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