

# Converting Colors

YIQ(122.5950, 49.9730, 13.9490)

Have a look what the booklet for  
YIQ(122.5950, 49.9730, 13.9490)  
contains.

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# Color

**YIQ(122.5950, 49.9730,  
13.9490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3645B
RGB	179, 100, 91
RGB Percent	70%, 39%, 36%
CMY	0.2979, 0.6080, 0.6429
CMYK	0.00, 0.44, 0.49, 0.30
HSL	6°, 37%, 53%
HSV	6°, 49%, 70%
XYZ	25.0457, 19.4535, 12.3442
YIQ	122.5950, 49.9730, 13.9490

# Conversions

## Conversions Part 2

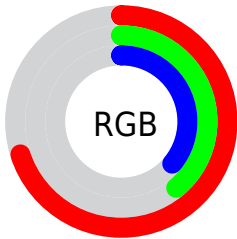
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 101, 91
Decimal	11756635
CIE Lab	51.21, 30.84, 19.09
CIE LCh	51, 36.270, 31.754
Yxy	19.4535, 0.4406, 0.3422
Android (android.graphics.Color)	4289946715 (0xFFB3645B)
YUV	122.5950, -15.5763, 49.4672
Hunter-Lab	44.1061, 24.1760, 14.2804

# Details

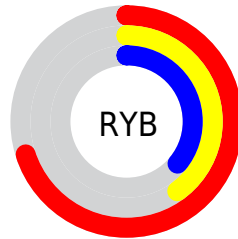
The YIQ color **122.5950, 49.9730, 13.9490** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **147.4050, -49.9730, -13.9490**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.4600, 54.7870, 14.8110**, and **71.8440, 44.8380, 13.3980** is the 20% darker color. If you saturate the color by 10%, you get **111.1510, 60.1510, 16.7190**, and if you desaturate by 10%, it is **134.0390, 39.7950, 11.1790**.

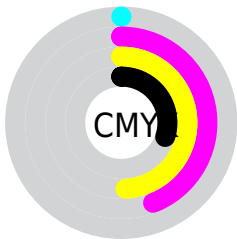
# Distribution



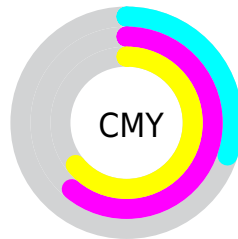
- Red (70%)
- Green (39%)
- Blue (36%)



- Red (70%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (44%)
- Yellow (49%)
- Black (30%)



- Cyan (30%)
- Magenta (61%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.5950, 49.9730, 13.9490 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 122.5950, 49.9730, 13.9490 by changing the saturation by 10% instead.



■ 122.5950, 49.9730,  
13.9490

■ 122.5950, 49.9730,  
13.9490

■ 255.0000, -0.0000,  
-0.0000

■ 96.9260, 47.5430,  
13.9350

■ 176.4600, 54.7870,  
14.8110

■ 71.8440, 44.8380,  
13.3980

■ 200.4700, 48.8270,  
12.6910

■ 46.9900, 41.4910,  
13.4830

■ 219.9840, 32.4600,  
6.4440

■ 21.2180, 40.8490,  
14.1050

■ 240.1990, 15.4970,  
-0.0150

■ 13.5690, 26.4990,  
9.8510

■ 254.5440, 1.2840,  
-1.2440

■ 0.0000, 0.0000,  
0.0000

122.5950, 49.9730,  
13.9490

122.5950, 49.9730,  
13.9490

111.1510, 60.1510,  
16.7190

134.0390, 39.7950,  
11.1790

99.7070, 70.3290,  
19.4890

145.4830, 29.6170,  
8.4090

88.2630, 80.5070,  
22.2590

156.9270, 19.4390,  
5.6390

76.8190, 90.6850,  
25.0290

168.3710, 9.2610,  
2.8690

65.4890, 100.5420,  
28.1100

179.8150, -0.9170,  
0.0990

64.0870, 101.7340,  
28.5340

191.7320,  
-11.0490, -3.5050

203.1760,  
-21.2270, -6.2750

214.6200,

-31.4050, -9.0450

■ 226.0640,  
-41.5830, -11.8150

# Harmonies

## Analogous

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



124.2540, 41.1680, 24.8480



122.5950, 49.9730, 13.9490



121.3580, 45.6660, -1.6140

# Triad

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



122.5950, 49.9730, 13.9490



110.0650, -26.1290, -27.5770



116.4770, -49.3350, 7.5370

# Complementary

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



122.5950, 49.9730, 13.9490



147.4050, -49.9730, -13.9490

# 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.



98.1350, -93.0710, -14.8230



122.5950, 49.9730, 13.9490



95.0280, -77.4330, -33.9210

# Square

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



122.5950, 49.9730, 13.9490



116.0550, 6.1940, -24.1580



97.9750, -87.1090, -23.7570



124.2540, -11.5580, 22.2500



# Rectangle

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



122.5950, 49.9730, 13.9490



119.7710, 36.7730, -11.1550



97.9750, -87.1090, -23.7570



110.6490, -64.7390, 0.3570

# Sweetspot

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



122.5950, 49.9730, 13.9490



209.8130, 19.7600, 5.3280



126.3180, 27.0890, 43.2250



103.4530, 11.9660, 3.4060



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.



122.5950, 49.9730, 13.9490



144.1810, 77.8020, 21.7220



148.4230, 37.8730, -9.0630



83.2780, 5.0890, 1.3850



55.1390, 86.7880, 24.0680



9.5350, 14.6710, 3.9430



# Inverse Universe

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



147.4050, -49.9730, -13.9490



182.8190, -77.8020, -21.7220



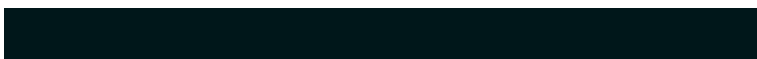
121.5770, -37.8730, 9.0630



85.7220, -5.0890, -1.3850



97.8610, -86.7880, -24.0680



16.4650, -14.6710, -3.9430



# Previews

## White Background



This preview shows how the YIQ color 122.5950, 49.9730, 13.9490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

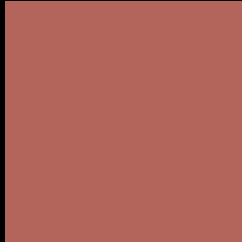
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 122.5950, 49.9730, 13.9490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

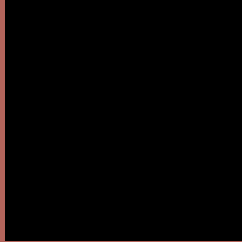
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.5950, 49.9730, 13.9490

## Background



This preview shows how black text looks on a background with the YIQ color 122.5950, 49.9730, 13.9490.



This preview shows how white text looks on a background with the YIQ color 122.5950, 49.9730,



# 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

122.5950, 49.9730, 13.9490

### Protanopia

121.6990, 10.9130, -5.0470

### Deuteranopia

122.0660, 25.9970, -3.0830



## Tritanopia

123.3160, 46.6250, 19.5610

# Trichromacy



## Original Color

122.5950, 49.9730, 13.9490

## Protanomaly

121.9290, 25.1250, 1.7090

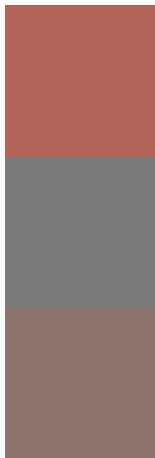
## Deuteranomaly

122.2460, 34.4780, 2.9100

## Tritanomaly

123.3330, 47.9550, 17.4830

# Monochromacy



## Original Color

122.5950, 49.9730, 13.9490

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.9160, 17.9720, 4.6920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.5950, 49.9730, 13.9490 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, 100, 91)` looks like.

```
.text, #text, p{  
    color:rgb(179, 100, 91)  
}
```

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, 100, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 100, 91) }
```

## Border

The CSS property to change the border of an element to YIQ 122.5950, 49.9730, 13.9490 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, 100, 91) }
```



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

```
.border{ border-color:rgb(179, 100, 91) }
```

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

Here you see how a box with a 4 pixel rgb(179, 100, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 100, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 100, 91);  
box-shadow:4px 4px 4px 4px rgb(179, 100,  
91) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.5950, 49.9730, 13.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 100, 91) }
```

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

```
.background{ background-color: rgb(179,  
100, 91) }
```

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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