

# Converting Colors

YIQ(122.4700, 31.6320, 21.4560)

Have a look what the booklet for  
YIQ(122.4700, 31.6320, 21.4560)  
contains.

<b>YIQ(122.4700, 31.6320, 21.4560)</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(122.4700, 31.6320,  
21.4560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6647C
RGB	166, 100, 124
RGB Percent	65%, 39%, 49%
CMY	0.3488, 0.6079, 0.5136
CMYK	0.00, 0.40, 0.25, 0.35
HSL	338°, 27%, 52%
HSV	338°, 40%, 65%
XYZ	23.9294, 18.6767, 21.4216
YIQ	122.4700, 31.6320, 21.4560

# Conversions

## Conversions Part 2

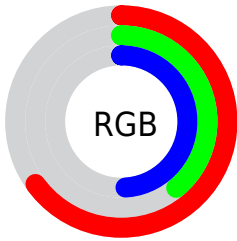
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 100, 124
Decimal	10904700
CIELab	50.31, 29.91, -2.00
CIElCh	50, 29.981, 356.176
Yxy	18.6767, 0.3737, 0.2917
Android (android.graphics.Color)	4289094780 (0xFFA6647C)
YUV	122.4700, 0.7543, 38.1758
Hunter-Lab	43.2165, 23.2082, 0.8627

# Details

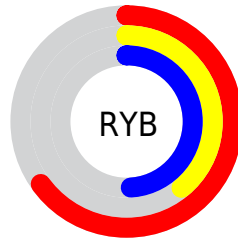
The YIQ color **122.4700, 31.6320, 21.4560** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **143.5300, -31.6320, -21.4560**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **175.6660, 34.0160, 22.3040**, and **71.9750, 28.6520, 20.3960** is the 20% darker color. If you saturate the color by 10%, you get **111.2370, 39.8380, 26.9260**, and if you desaturate by 10%, it is **133.7030, 23.4260, 15.9860**.

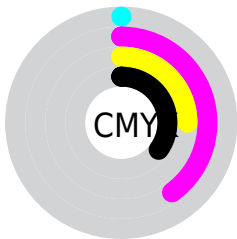
# Distribution



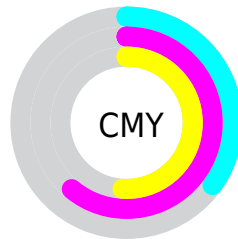
- Red (65%)
- Green (39%)
- Blue (49%)



- Red (65%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (40%)
- Yellow (25%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.4700, 31.6320, 21.4560 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 122.4700, 31.6320, 21.4560 by changing the saturation by 10% instead.



122.4700, 31.6320,  
21.4560

122.4700, 31.6320,  
21.4560

255.0000, -0.0000,  
-0.0000

96.8720, 30.4400,  
21.0320

175.6660, 34.0160,  
22.3040

71.9750, 28.6520,  
20.3960

203.6770, 35.4830,  
23.2510

48.4910, 27.1390,  
20.2830

224.2020, 20.5830,  
17.9510

23.6480, 25.2590,  
21.3150

243.2600, 5.5000,  
10.4600

13.3560, 22.7850,  
11.0810

0.0000, 0.0000,  
0.0000

122.4700, 31.6320,  
21.4560

122.4700, 31.6320,  
21.4560

111.2370, 39.8380,  
26.9260

133.7030, 23.4260,  
15.9860

100.7050, 47.4480,  
32.1840

144.2350, 15.8160,  
10.7280

89.4720, 55.6540,  
37.6540

155.4680, 7.6100,  
5.2580

78.9400, 63.2640,  
42.9120

166.0000, -0.0000,  
0.0000

67.7070, 71.4700,  
48.3820

177.2330, -8.2060,  
-5.4700

56.5880, 79.3550,  
54.1630


188.3520,  
-16.0910, -11.2510

56.4740, 79.6760,  
53.8520

198.9980,  
-24.0220, -16.1980

210.2310,

-32.2280, -21.6680

 220.7630,  
-39.8380, -26.9260

# Harmonies

## Analogous

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



123.0580, 12.4210, 22.7010



122.4700, 31.6320, 21.4560



121.1040, 41.1700, 13.7940

# Triad

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



122.4700, 31.6320, 21.4560



115.4840, 9.5400, -18.7160



102.1390, -72.5310, -12.6190

# Complementary

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



122.4700, 31.6320, 21.4560



143.5300, -31.6320, -21.4560

# 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.



94.1450, -81.8360, -25.7080



122.4700, 31.6320, 21.4560



111.3870, -15.1720, -22.4040

# Square

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



122.4700, 31.6320, 21.4560



117.9920, 28.8410, -10.5750



105.5330, -44.8820, -23.6180



114.3050, -43.0990, 4.6530



# Rectangle

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



122.4700, 31.6320, 21.4560



120.2470, 41.9050, 5.9770



105.5330, -44.8820, -23.6180



95.8770, -83.7170, -19.1490

# Sweetspot

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



122.4700, 31.6320, 21.4560



199.8000, 12.6070, 8.3110



120.0820, 3.8460, 29.4300



99.4680, 7.6100, 5.2580



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



122.4700, 31.6320, 21.4560



148.4280, 49.7860, 33.8660



125.0170, 36.8610, 9.2850



78.7340, 3.8050, 2.6290



50.4080, 70.8740, 48.1700



6.7780, 9.6730, 6.4170



# Inverse Universe

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



122.4700, 31.6320, 21.4560



148.4280, 49.7860, 33.8660



140.9830, -36.8610, -9.2850



78.7340, 3.8050, 2.6290



50.4080, 70.8740, 48.1700

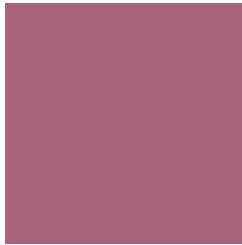


6.7780, 9.6730, 6.4170



# Previews

## White Background



This preview shows how the YIQ color 122.4700, 31.6320, 21.4560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

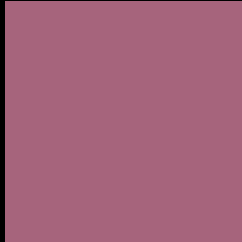
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.4700, 31.6320, 21.4560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

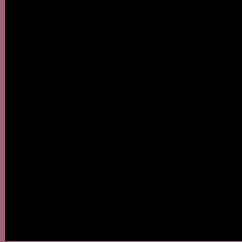
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.4700, 31.6320, 21.4560

## Background



This preview shows how black text looks on a background with the YIQ color 122.4700, 31.6320, 21.4560.



This preview shows how white text looks on a background with the YIQ color 122.4700, 31.6320,



# 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

122.4700, 31.6320, 21.4560

### Protanopia

120.6390, -6.0530, 5.0750

### Deuteranopia

121.0550, 7.3350, 4.7350



## Tritanopia

121.7490, 34.9800, 15.8440

# Trichromacy



## Original Color

122.4700, 31.6320, 21.4560

## Protanomaly

121.1570, 7.2880, 11.0960

## Deuteranomaly

121.5340, 16.4120, 10.9400

## Tritanomaly

121.7320, 33.6500, 17.9220

# Monochromacy



## Original Color

122.4700, 31.6320, 21.4560

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.2020, 11.4150, 7.8870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.4700, 31.6320, 21.4560 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(166, 100, 124)` looks like.

```
.text, #text, p{  
    color:rgb(166, 100, 124)  
}
```

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(166, 100, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 100, 124) }
```

## Border

The CSS property to change the border of an element to YIQ 122.4700, 31.6320, 21.4560 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(166, 100, 124) }
```



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

```
.border{ border-color:rgb(166, 100, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 100, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 100, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 100, 124);  
box-shadow:4px 4px 4px 4px rgb(166, 100,  
124) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.4700, 31.6320, 21.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 100, 124) }
```

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

```
.background{ background-color: rgb(166,  
100, 124) }
```

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