

# Converting Colors

YIQ(122.5590, 24.4320, 30.8000)

Have a look what the booklet for  
YIQ(122.5590, 24.4320, 30.8000)  
contains.

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# Color

**YIQ(122.5590, 24.4320,  
30.8000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A56094
RGB	165, 96, 148
RGB Percent	65%, 38%, 58%
CMY	0.3527, 0.6236, 0.4195
CMYK	0.00, 0.42, 0.10, 0.35
HSL	315°, 28%, 51%
HSV	315°, 42%, 65%
XYZ	25.0542, 18.5038, 30.2741
YIQ	122.5590, 24.4320, 30.8000

# Conversions

## Conversions Part 2

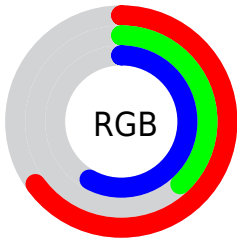
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 96, 148
Decimal	10838164
CIE <sub>Lab</sub>	50.10, 35.67, -16.57
CIE <sub>LCh</sub>	50, 39.330, 335.085
Yxy	18.5038, 0.3393, 0.2506
Android (android.graphics.Color)	4289028244 (0xFFA56094)
YUV	122.5590, 12.5424, 37.2208
Hunter-Lab	43.0160, 28.6872, -11.6163

# Details

The YIQ color **122.5590, 24.4320, 30.8000** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **138.4410, -24.4320, -30.8000**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **175.9830, 26.1740, 32.2700**, and **72.1350, 22.6900, 29.3300** is the 20% darker color. If you saturate the color by 10%, you get **112.1240, 30.3910, 38.4470**, and if you desaturate by 10%, it is **132.4070, 18.7480, 23.6760**.

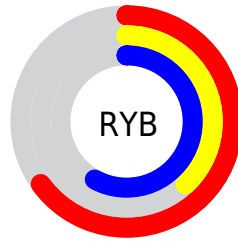
# Distribution



Red (65%)

Green (38%)

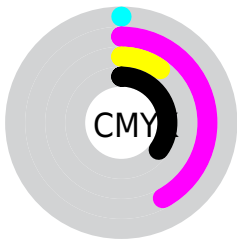
Blue (58%)



Red (65%)

Yellow (38%)

Blue (58%)

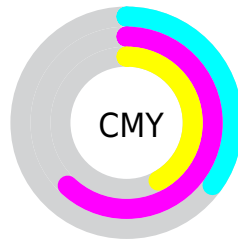


Cyan (0%)

Magenta (42%)

Yellow (10%)

Black (35%)



Cyan (35%)

Magenta (62%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.5590, 24.4320, 30.8000 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 122.5590, 24.4320, 30.8000 by changing the saturation by 10% instead.



122.5590, 24.4320,  
30.8000

122.5590, 24.4320,  
30.8000

255.0000, -0.0000,  
-0.0000

96.8470, 23.5610,  
30.0650

175.9830, 26.1740,  
32.2700

72.1350, 22.6900,  
29.3300

203.6950, 27.0450,  
33.0050

46.3630, 22.0480,  
29.9520

224.4760, 14.3000,  
27.1960

24.0530, 19.9850,  
28.7930

241.4990, 6.3250,  
12.0290

15.6790, 14.8060,  
18.0220

0.0000, 0.0000,  
0.0000

122.5590, 24.4320,  
30.8000

122.5590, 24.4320,  
30.8000

112.1240, 30.3910,  
38.4470

132.4070, 18.7480,  
23.6760

102.2760, 36.0750,  
45.5710

142.8420, 12.7890,  
16.0290

91.8410, 42.0340,  
53.2180

152.6900, 7.1050,  
8.9050

81.9930, 47.7180,  
60.3420

163.1250, 1.1460,  
1.2580

71.5580, 53.6770,  
67.9890

173.5600, -4.8130,  
-6.3890


63.4710, 58.5360,  
73.5440

183.4080,  
-10.4970, -13.5130

193.9570,  
-16.7770, -20.8490

203.8050,

-22.4610, -27.9730

 214.2400,  
-28.4200, -35.6200

# Harmonies

## Analogous

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



121.8030, -8.6700, 24.9780



122.5590, 24.4320, 30.8000



120.6460, 45.9360, 26.5440

# Triad

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



122.5590, 24.4320, 30.8000



115.3200, 30.4930, -18.4910



97.1430, -87.5220, -21.7780

# Complementary

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



122.5590, 24.4320, 30.8000



138.4410, -24.4320, -30.8000

# 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.



93.9680, -77.2040, -32.5640



122.5590, 24.4320, 30.8000



111.5060, 3.3060, -26.8860

# Square

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



122.5590, 24.4320, 30.8000



117.5600, 47.9130, -3.7910



104.4660, -34.7480, -31.0680



96.7160, -93.2090, -12.3210



# Rectangle

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



122.5590, 24.4320, 30.8000



119.3120, 52.4480, 18.6560



104.4660, -34.7480, -31.0680



96.4760, -84.2660, -25.7220

# Sweetspot

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



122.5590, 24.4320, 30.8000



196.7660, 9.9470, 12.4670



108.6500, -12.6130, 24.8510



96.5650, 5.9590, 7.6470



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



122.5590, 24.4320, 30.8000



148.2270, 37.7710, 47.8750



118.6830, 35.3460, 20.2260



76.4890, 3.1170, 4.0850



55.8950, 51.1100, 64.9500



6.8640, 6.5550, 7.8590



# Inverse Universe

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



122.5590, 24.4320, 30.8000



148.2270, 37.7710, 47.8750



142.3170, -35.3460, -20.2260



76.4890, 3.1170, 4.0850



55.8950, 51.1100, 64.9500

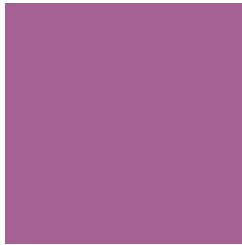


6.8640, 6.5550, 7.8590



# Previews

## White Background



This preview shows how the YIQ color 122.5590, 24.4320, 30.8000 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 122.5590, 24.4320, 30.8000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

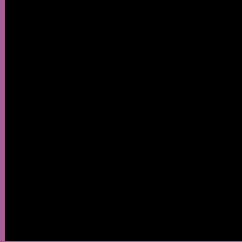
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.5590, 24.4320, 30.8000

## Background



This preview shows how black text looks on a background with the YIQ color 122.5590, 24.4320, 30.8000.



This preview shows how white text looks on a background with the YIQ color 122.5590, 24.4320,

30.8000.

# 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

122.5590, 24.4320, 30.8000

### Protanopia

119.6560, -21.9180, 11.7620

### Deuteranopia

120.6760, -7.4750, 8.8210



## Tritanopia

121.2540, 32.0000, 14.7840

# Trichromacy



## Original Color

122.5590, 24.4320, 30.8000

## Protanomaly

120.5550, -5.2760, 18.5320

## Deuteranomaly

121.1770, 4.5360, 16.9200

## Tritanomaly

121.2740, 29.2480, 20.6080

# Monochromacy



## Original Color

122.5590, 24.4320, 30.8000

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.6410, 8.8010, 11.2090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.5590, 24.4320, 30.8000 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(165, 96, 148)` looks like.

```
.text, #text, p{  
    color:rgb(165, 96, 148)  
}
```

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(165, 96, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 96, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 122.5590, 24.4320, 30.8000 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(165, 96, 148) }
```



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

```
.border{ border-color:rgb(165, 96, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 96, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 96, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 96, 148);  
box-shadow:4px 4px 4px 4px rgb(165, 96,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.5590, 24.4320, 30.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 96, 148) }
```

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

```
.background{ background-color: rgb(165, 96,  
148) }
```

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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