

# Converting Colors

YIQ(120.4750, 24.0680, 15.3640)

Have a look what the booklet for  
YIQ(120.4750, 24.0680, 15.3640)  
contains.

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# Color

**YIQ(120.4750, 24.0680,  
15.3640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	996878
RGB	153, 104, 120
RGB Percent	60%, 41%, 47%
CMY	0.3999, 0.5922, 0.5293
CMYK	0.00, 0.32, 0.22, 0.40
HSL	340°, 19%, 50%
HSV	340°, 32%, 60%
XYZ	21.4827, 18.0285, 20.1236
YIQ	120.4750, 24.0680, 15.3640

# Conversions

## Conversions Part 2

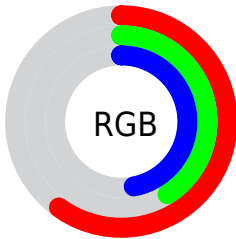
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 104, 120
Decimal	10053752
CIE <sub>Lab</sub>	49.53, 22.11, -0.94
CIE <sub>LCh</sub>	50, 22.130, 357.567
Yxy	18.0285, 0.3602, 0.3023
Android (android.graphics.Color)	4288243832 (0xFF996878)
YUV	120.4750, -0.2342, 28.5244
Hunter-Lab	42.4600, 16.0072, 1.6219

# Details

The YIQ color  $120.4750, 24.0680, 15.3640$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $136.5250, -24.0680, -15.3640$ , and the grayscale version is  $120.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $173.3720, 25.8560, 16.0000$ , and  $71.2790, 21.6840, 14.5160$  is the 20% darker color. If you saturate the color by 10%, you get  $110.5300, 31.4030, 20.0990$ , and if you desaturate by 10%, it is  $130.4200, 16.7330, 10.6290$ .

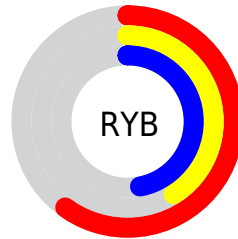
# Distribution



Red (60%)

Green (41%)

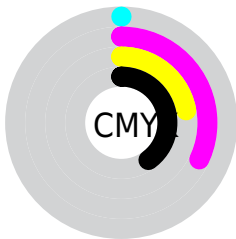
Blue (47%)



Red (60%)

Yellow (41%)

Blue (47%)

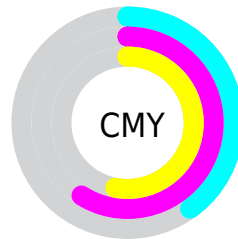


Cyan (0%)

Magenta (32%)

Yellow (22%)

Black (40%)



Cyan (40%)

Magenta (59%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.4750, 24.0680, 15.3640 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 120.4750, 24.0680, 15.3640 by changing the saturation by 10% instead.



120.4750, 24.0680,  
15.3640

120.4750, 24.0680,  
15.3640

255.0000, -0.0000,  
-0.0000

95.1760, 23.4720,  
15.1520

173.3720, 25.8560,  
16.0000

71.2790, 21.6840,  
14.5160

201.0840, 26.7270,  
16.7350

48.2680, 20.2170,  
13.5690

225.5070, 21.0420,  
15.1380

25.1970, 18.9790,  
13.9790

245.6080, 4.4000,  
8.3680

10.2800, 19.9430,  
7.5190

0.0000, 0.0000,  
0.0000

120.4750, 24.0680,  
15.3640

120.4750, 24.0680,  
15.3640

110.5300, 31.4030,  
20.0990

130.4200, 16.7330,  
10.6290

99.8840, 39.3340,  
25.0460

141.0660, 8.8020,  
5.6820

89.9390, 46.6690,  
29.7810

151.0110, 1.4670,  
0.9470

79.9940, 54.0040,  
34.5160

160.9560, -5.8680,  
-3.7880

69.4620, 61.6140,  
39.7740

171.0150,  
-13.5240, -8.2120

59.4030, 69.2700,  
44.1980


181.5470,  
-21.1340, -13.4700

51.4470, 75.1380,  
47.9860

191.4920,  
-28.4690, -18.2050

201.4370,

-35.8040, -22.9400

 212.0830,  
-43.7350, -27.8870

# Harmonies

## Analogous

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



120.4010, 9.7170, 16.6370



120.4750, 24.0680, 15.3640



119.4940, 31.0840, 9.3560

# Triad

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



120.4750, 24.0680, 15.3640



114.9770, 6.8340, -13.7260



110.3940, -42.2720, -4.8320

# Complementary

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



120.4750, 24.0680, 15.3640



136.5250, -24.0680, -15.3640

# 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.



108.0530, -43.0500, -12.7620



120.4750, 24.0680, 15.3640



112.2290, -11.5510, -16.4390

# Square

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



120.4750, 24.0680, 15.3640



116.9790, 21.6880, -7.5920



109.5890, -30.1200, -15.8160



115.3190, -28.5190, 4.7370



# Rectangle

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



120.4750, 24.0680, 15.3640



118.9190, 31.0850, 3.8290



109.5890, -30.1200, -15.8160



109.0300, -44.2430, -7.6590

# Sweetspot

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



120.4750, 24.0680, 15.3640



185.7780, 9.6730, 6.4170



119.4530, 3.9390, 22.2350



91.6310, 5.5930, 3.2650



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



120.4750, 24.0680, 15.3640



148.5740, 37.2710, 23.8870



123.3470, 27.0040, 6.2040



71.6200, 4.1260, 2.3180



47.1040, 68.6740, 43.9860



4.3430, 6.4640, 4.0000



# Inverse Universe

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



120.4750, 24.0680, 15.3640



148.5740, 37.2710, 23.8870



133.6530, -27.0040, -6.2040



71.6200, 4.1260, 2.3180



47.1040, 68.6740, 43.9860

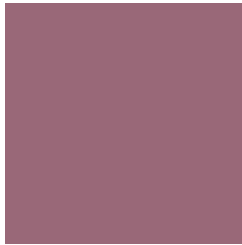


4.3430, 6.4640, 4.0000



# Previews

## White Background



This preview shows how the YIQ color 120.4750, 24.0680, 15.3640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

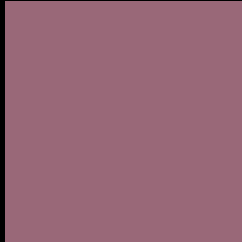
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.4750, 24.0680, 15.3640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

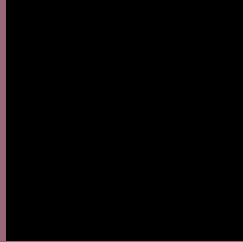
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.4750, 24.0680, 15.3640

## Background



This preview shows how black text looks on a background with the YIQ color 120.4750, 24.0680, 15.3640.



This preview shows how white text looks on a background with the YIQ color 120.4750, 24.0680,



# 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

120.4750, 24.0680, 15.3640

### Protanopia

118.2540, -3.5310, 3.4210

### Deuteranopia

118.9410, 7.6560, 4.4240



## Tritanopia

119.9650, 25.4440, 12.4520

# Trichromacy



## Original Color

120.4750, 24.0680, 15.3640

## Protanomaly

118.8640, 6.5550, 7.8590

## Deuteranomaly

119.3980, 13.7990, 8.7350

## Tritanomaly

120.3070, 24.4810, 13.3850

# Monochromacy



## Original Color

120.4750, 24.0680, 15.3640

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

120.0660, 8.8020, 5.6820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.4750, 24.0680, 15.3640 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(153, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(153, 104, 120)  
}
```

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(153, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 104, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 120.4750, 24.0680, 15.3640 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(153, 104, 120) }
```



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

```
.border{ border-color:rgb(153, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(153, 104,  
120) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.4750, 24.0680, 15.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 104, 120) }
```

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

```
.background{ background-color: rgb(153,  
104, 120) }
```

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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