

# Converting Colors

YIQ(97.7220, 40.7510, 48.9350)

Have a look what the booklet for  
YIQ(97.7220, 40.7510, 48.9350)  
contains.

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# Color

**YIQ(97.7220, 40.7510,  
48.9350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A73788
RGB	167, 55, 136
RGB Percent	65%, 22%, 53%
CMY	0.3448, 0.7845, 0.4666
CMYK	0.00, 0.67, 0.19, 0.34
HSL	317°, 51%, 44%
HSV	317°, 67%, 66%
XYZ	21.7631, 12.7305, 24.6122
YIQ	97.7220, 40.7510, 48.9350

# Conversions

## Conversions Part 2

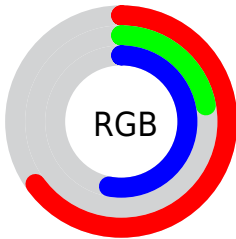
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 55, 136
Decimal	10958728
CIE <sub>Lab</sub>	42.35, 54.36, -21.22
CIE <sub>LCh</sub>	42, 58.357, 338.676
Yxy	12.7305, 0.3682, 0.2154
Android (android.graphics.Color)	4289148808 (0xFFA73788)
YUV	97.7220, 18.8711, 60.7568
Hunter-Lab	35.6798, 46.4374, -15.9227

# Details

The YIQ color **97.7220, 40.7510, 48.9350** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **124.2780, -40.7510, -48.9350**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **153.5050, 42.8600, 49.2600**, and **42.9930, 38.5500, 50.2780** is the 20% darker color. If you saturate the color by 10%, you get **87.1730, 47.0310, 56.2710**, and if you desaturate by 10%, it is **108.2710, 34.4710, 41.5990**.

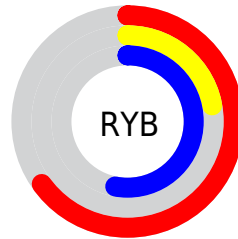
# Distribution



Red (65%)

Green (22%)

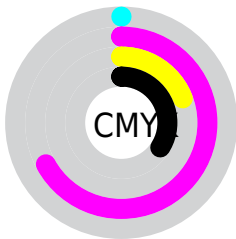
Blue (53%)



Red (65%)

Yellow (22%)

Blue (53%)

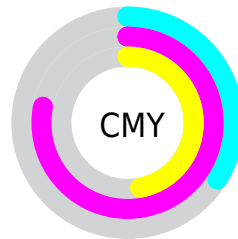


Cyan (0%)

Magenta (67%)

Yellow (19%)

Black (34%)



Cyan (34%)

Magenta (78%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.7220, 40.7510, 48.9350 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 97.7220, 40.7510, 48.9350 by changing the saturation by 10% instead.



■ 97.7220, 40.7510,  
48.9350

■ 97.7220, 40.7510,  
48.9350

■ 255.0000, -0.0000,  
-0.0000

■ 67.7160, 40.8880,  
51.9600

■ 153.5050, 42.8600,  
49.2600

■ 42.9930, 38.5500,  
50.2780

■ 181.4020, 44.6480,  
49.8960

■ 32.4830, 30.7580,  
37.3020

■ 201.1440, 27.6390,  
44.2710

■ 22.6140, 22.5990,  
25.4710

■ 218.6060, 17.0500,  
32.4260

■ 11.6200, 13.2940,  
12.3820

■ 235.6290, 9.0750,  
17.2590

■ 0.0000, 0.0000,  
0.0000

■ 253.2390, 0.8250,

1.5690

■ 97.7220, 40.7510,  
48.9350

■ 97.7220, 40.7510,  
48.9350

■ 87.1730, 47.0310,  
56.2710

■ 108.2710, 34.4710,  
41.5990

■ 77.3250, 52.7150,  
63.3950

■ 118.1190, 28.7870,  
34.4750

■ 66.7760, 58.9950,  
70.7310

■ 128.6680, 22.5070,  
27.1390

■ 63.7270, 60.6910,  
73.0350

■ 139.2170, 16.2270,  
19.8030

■ 149.0650, 10.5430,  
12.6790

■ 159.6140, 4.2630,  
5.3430

■ 170.0490, -1.6960,  
-2.3040

■ 180.5980, -7.9760,  
-9.6400

■ 190.5600,  
-13.9810, -16.4530

# Harmonies

## Analogous

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



102.3060, -8.1680, 37.9120



97.7220, 40.7510, 48.9350



90.8760, 69.3160, 43.3640

# Triad

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



97.7220, 40.7510, 48.9350



92.1660, 36.3180, -30.4500



88.5660, -84.0390, -13.3110

# Complementary

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



97.7220, 40.7510, 48.9350



124.2780, -40.7510, -48.9350

# 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.



83.9090, -69.5480, -28.1400



97.7220, 40.7510, 48.9350



83.5740, -0.5420, -45.2620

# Square

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



97.7220, 40.7510, 48.9350



94.1470, 64.8330, -13.0790



77.0350, -52.9480, -42.6440



88.5780, -92.3400, -0.5320



# Rectangle

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



97.7220, 40.7510, 48.9350



92.3150, 74.7290, 27.8570



77.0350, -52.9480, -42.6440



87.5570, -79.8200, -18.1880

# Sweetspot

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



97.7220, 40.7510, 48.9350



189.8040, 15.9520, 19.2800



76.7380, -18.0720, 41.1920



93.2390, 9.9930, 11.6330



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.



97.7220, 40.7510, 48.9350



108.1020, 64.1290, 76.8090



91.4520, 58.4060, 31.8300



79.0760, 2.8420, 3.5620



56.4500, 53.8610, 64.6530



7.6900, 7.1050, 8.9050



# Inverse Universe

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



97.7220, 40.7510, 48.9350



108.1020, 64.1290, 76.8090



130.5480, -58.4060, -31.8300



79.0760, 2.8420, 3.5620



56.4500, 53.8610, 64.6530



7.6900, 7.1050, 8.9050



# Previews

## White Background



This preview shows how the YIQ color 97.7220, 40.7510, 48.9350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

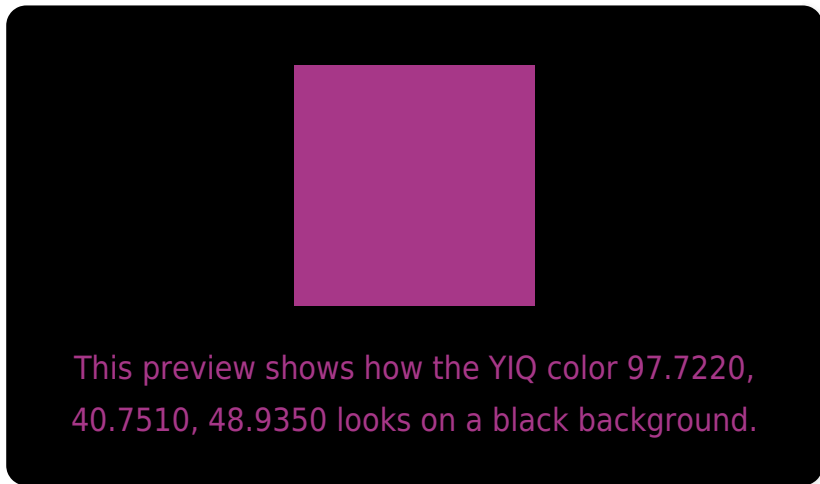
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

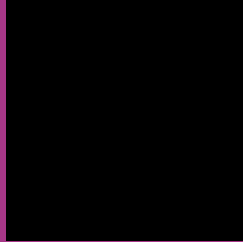
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 97.7220, 40.7510, 48.9350

## Background



This preview shows how black text looks on a background with the YIQ color 97.7220, 40.7510, 48.9350.



This preview shows how white text looks on a background with the YIQ color 97.7220, 40.7510,



# 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

97.7220, 40.7510, 48.9350

### Protanopia

97.9500, -40.1210, 16.7670

### Deuteranopia

101.2240, -12.0140, 8.4820



## Tritanopia

99.3660, 52.3560, 20.3240

# Trichromacy



## Original Color

97.7220, 40.7510, 48.9350

## Protanomaly

97.5410, -10.6880, 28.5120

## Deuteranomaly

99.9480, 6.9190, 23.2950

## Tritanomaly

98.9500, 48.1360, 30.7280

# Monochromacy



## Original Color

97.7220, 40.7510, 48.9350

## Achromatopsia

98.0000, -0.0000, -0.0000

## Achromatomaly

97.6790, 14.8060, 18.0220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.7220, 40.7510, 48.9350 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(167, 55, 136)` looks like.

```
.text, #text, p{  
    color:rgb(167, 55, 136)  
}
```

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(167, 55, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 55, 136) }
```

## Border

The CSS property to change the border of an element to YIQ 97.7220, 40.7510, 48.9350 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(167, 55, 136) }
```



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

```
.border{ border-color:rgb(167, 55, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 55, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 55, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 55, 136);  
box-shadow:4px 4px 4px 4px rgb(167, 55,  
136) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.7220, 40.7510, 48.9350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 55, 136) }
```

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

```
.background{ background-color: rgb(167, 55,  
136) }
```

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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