

# Converting Colors

YIQ(103.5510, 45.2460, 39.0540)

Have a look what the booklet for  
YIQ(103.5510, 45.2460, 39.0540)  
contains.

<b>YIQ(103.5510, 45.2460, 39.0540)</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(103.5510, 45.2460,  
39.0540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB4278
RGB	171, 66, 120
RGB Percent	67%, 26%, 47%
CMY	0.3291, 0.7413, 0.5293
CMYK	0.00, 0.61, 0.30, 0.33
HSL	329°, 44%, 46%
HSV	329°, 61%, 67%
XYZ	22.1483, 13.9143, 19.2989
YIQ	103.5510, 45.2460, 39.0540

# Conversions

## Conversions Part 2

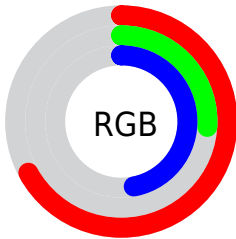
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 66, 120
Decimal	11223672
CIE <sub>Lab</sub>	44.11, 48.59, -8.71
CIE <sub>LCh</sub>	44, 49.364, 349.840
Yxy	13.9143, 0.4001, 0.2513
Android (android.graphics.Color)	4289413752 (0xFFAB4278)
YUV	103.5510, 8.1094, 59.1528
Hunter-Lab	37.3018, 40.7078, -4.5636

# Details

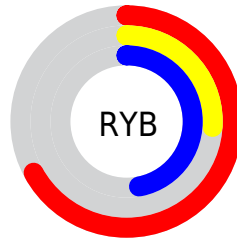
The YIQ color **103.5510, 45.2460, 39.0540** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **133.4490, -45.2460, -39.0540**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.9320, 48.5470, 39.8030**, and **43.1800, 45.1530, 46.2490** is the 20% darker color. If you saturate the color by 10%, you get **92.6600, 52.4890, 45.4570**, and if you desaturate by 10%, it is **114.4420, 38.0030, 32.6510**.

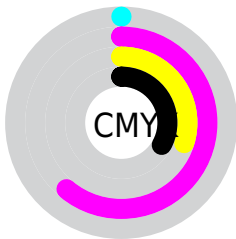
# Distribution



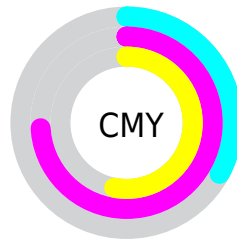
- Red (67%)
- Green (26%)
- Blue (47%)



- Red (67%)
- Yellow (26%)
- Blue (47%)



- Cyan (0%)
- Magenta (61%)
- Yellow (30%)
- Black (33%)



- Cyan (33%)
- Magenta (74%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.5510, 45.2460, 39.0540 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 103.5510, 45.2460, 39.0540 by changing the saturation by 10% instead.



■ 103.5510, 45.2460,  
39.0540

■ 103.5510, 45.2460,  
39.0540

■ 255.0000, -0.0000,  
-0.0000

■ 75.8930, 44.2830,  
39.9870

■ 157.9320, 48.5470,  
39.8030

■ 43.1800, 45.1530,  
46.2490

■ 184.7470, 47.6300,  
39.9020

■ 31.8980, 36.7190,  
33.8950

■ 204.3750, 30.9420,  
33.9660

■ 21.7300, 27.9640,  
21.8520

■ 223.8890, 14.5750,  
27.7190

■ 11.1770, 21.7310,  
8.1550

■ 240.9120, 6.6000,  
12.5520

■ 0.0000, 0.0000,  
0.0000

103.5510, 45.2460,  
39.0540

103.5510, 45.2460,  
39.0540

92.6600, 52.4890,  
45.4570

114.4420, 38.0030,  
32.6510

81.6550, 60.0530,  
51.5490

125.4470, 30.4390,  
26.5590

70.7640, 67.2960,  
57.9520

136.3380, 23.1960,  
20.1560

61.1610, 73.6680,  
63.6200

147.2290, 15.9530,  
13.7530


158.2340, 8.3890,  
7.6610

169.7120, 0.8710,  
0.7350

180.6030, -6.3720,  
-5.6680

191.4940,

-13.6150, -12.0710

 202.4990,  
-21.1790, -18.1630

# Harmonies

## Analogous

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



107.4190, 10.4470, 36.4550



103.5510, 45.2460, 39.0540



100.9700, 62.5790, 27.7870

# Triad

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



103.5510, 45.2460, 39.0540



95.7670, 24.2600, -32.1880



89.9510, -86.5610, -11.6570

# Complementary

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



103.5510, 45.2460, 39.0540



133.4490, -45.2460, -39.0540

# 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.



87.7220, -76.1510, -24.1110



103.5510, 45.2460, 39.0540



89.3780, -20.1210, -37.3450

# Square

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



103.5510, 45.2460, 39.0540



98.9710, 50.5290, -18.1670



82.2330, -62.0730, -36.9610



87.4210, -90.4600, -1.5640



# Rectangle

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



103.5510, 45.2460, 39.0540



101.3100, 63.9570, 13.8210



82.2330, -62.0730, -36.9610



89.3980, -83.6260, -15.2900

# Sweetspot

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



103.5510, 45.2460, 39.0540



196.2400, 17.4200, 14.7000



93.2190, -3.3090, 43.4670



96.5440, 10.4520, 8.8200



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



103.5510, 45.2460, 39.0540



116.6120, 70.7800, 60.8920



97.6230, 61.9380, 22.8820



81.1470, 4.0800, 3.1520



53.6280, 64.6830, 55.7470



8.2450, 9.8560, 8.6080



# Inverse Universe

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



103.5510, 45.2460, 39.0540



116.6120, 70.7800, 60.8920



139.3770, -61.9380, -22.8820



81.1470, 4.0800, 3.1520



53.6280, 64.6830, 55.7470



8.2450, 9.8560, 8.6080



# Previews

## White Background



This preview shows how the YIQ color 103.5510, 45.2460, 39.0540 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 103.5510, 45.2460, 39.0540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

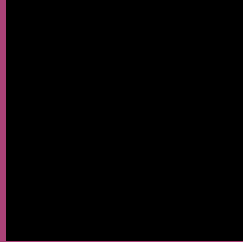
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 103.5510, 45.2460, 39.0540

## Background



This preview shows how black text looks on a background with the YIQ color 103.5510, 45.2460, 39.0540.



This preview shows how white text looks on a background with the YIQ color 103.5510, 45.2460,



# 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

103.5510, 45.2460, 39.0540

### Protanopia

105.2000, -20.6340, 10.5180

### Deuteranopia

106.1730, 1.1910, 5.9510



## Tritanopia

103.3770, 53.8230, 21.2710

# Trichromacy



## Original Color

103.5510, 45.2460, 39.0540

## Protanomaly

104.6270, 3.3890, 21.1890

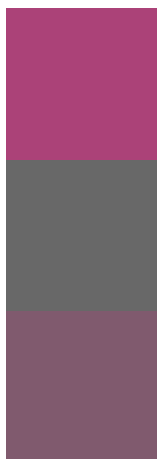
## Deuteranomaly

105.3480, 17.2360, 18.0360

## Tritanomaly

103.6250, 50.4290, 27.7170

# Monochromacy



## Original Color

103.5510, 45.2460, 39.0540

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

103.6420, 16.2280, 14.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.5510, 45.2460, 39.0540 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(171, 66, 120)` looks like.

```
.text, #text, p{  
    color:rgb(171, 66, 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(171, 66, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 66, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 103.5510, 45.2460, 39.0540 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(171, 66, 120) }
```



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

```
.border{ border-color:rgb(171, 66, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 66, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 66, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 66, 120);  
box-shadow:4px 4px 4px 4px rgb(171, 66,  
120) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.5510, 45.2460, 39.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 66, 120) }
```

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

```
.background{ background-color: rgb(171, 66,  
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](#).

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