

# Converting Colors

YIQ(103.9020, 22.8690, 53.6290)

Have a look what the booklet for  
YIQ(103.9020, 22.8690, 53.6290)  
contains.

<b>YIQ(103.9020, 22.8690, 53.6290)</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(103.9020, 22.8690,  
53.6290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F3FAA
RGB	159, 63, 170
RGB Percent	62%, 25%, 67%
CMY	0.3762, 0.7531, 0.3333
CMYK	0.06, 0.63, 0.00, 0.33
HSL	294°, 46%, 46%
HSV	294°, 63%, 67%
XYZ	23.3442, 13.8316, 39.4706
YIQ	103.9020, 22.8690, 53.6290

# Conversions

## Conversions Part 2

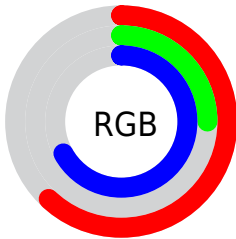
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 63, 170
Decimal	10436522
CIE <sub>Lab</sub>	43.99, 54.55, -39.17
CIE <sub>LCh</sub>	44, 67.154, 324.315
Yxy	13.8316, 0.3046, 0.1805
Android (android.graphics.Color)	4288626602 (0xFF9F3FAA)
YUV	103.9020, 32.5863, 48.3209
Hunter-Lab	37.1908, 46.9582, -36.8909

# Details

The YIQ color **103.9020, 22.8690, 53.6290** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **129.0980, -22.8690, -53.6290**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **159.0270, 24.0150, 54.8870**, and **44.4340, 24.4270, 58.4350** is the 20% darker color. If you saturate the color by 10%, you get **93.3250, 26.3520, 62.0960**, and if you desaturate by 10%, it is **114.4790, 19.3860, 45.1620**.

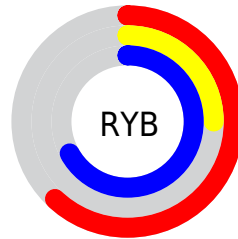
# Distribution



Red (62%)

Green (25%)

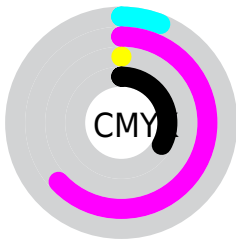
Blue (67%)



Red (62%)

Yellow (25%)

Blue (67%)

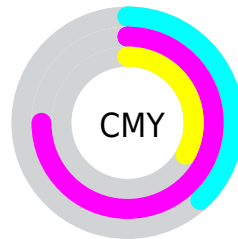


Cyan (6%)

Magenta (63%)

Yellow (0%)

Black (33%)



Cyan (38%)

Magenta (75%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.9020, 22.8690, 53.6290 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 103.9020, 22.8690, 53.6290 by changing the saturation by 10% instead.



103.9020, 22.8690,  
53.6290

103.9020, 22.8690,  
53.6290

255.0000, -0.0000,  
-0.0000

75.4290, 22.8230,  
54.4630

159.0270, 24.0150,  
54.8870

44.4340, 24.4270,  
58.4350

187.1520, 25.1610,  
56.1450

33.8100, 16.9560,  
45.1480

206.2790, 22.8250,  
43.4090

23.3000, 9.1640,  
32.1720

222.7150, 15.1250,  
28.7650

12.9040, 1.0510,  
19.5070

239.7380, 7.1500,  
13.5980

3.2090, -7.6580,  
6.6300

0.0000, 0.0000,

0.0000

■ 103.9020, 22.8690,  
53.6290

■ 103.9020, 22.8690,  
53.6290

■ 93.3250, 26.3520,  
62.0960

■ 114.4790, 19.3860,  
45.1620

■ 83.0470, 30.4310,  
70.7750

■ 125.0560, 15.9030,  
36.6950

■ 72.4700, 33.9140,  
79.2420

■ 135.3340, 11.8240,  
28.0160

■ 65.1270, 36.6180,  
85.3060

■ 145.9110, 8.3410,  
19.5490

■ 156.4880, 4.8580,  
11.0820

■ 166.7660, 0.7790,  
2.4030

■ 177.3430, -2.7040,  
-6.0640

■ 187.9200, -6.1870,  
-14.5310

■ 198.4970, -9.6700,  
-22.9980

# Harmonies

## Analogous

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



100.0050, -49.9810, 30.2670



103.9020, 22.8690, 53.6290



89.2530, 70.4130, 62.0370

# Triad

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



103.9020, 22.8690, 53.6290



97.8910, 53.5100, -22.6340



92.1220, -83.0290, -20.6050

# Complementary

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



103.9020, 22.8690, 53.6290



129.0980, -22.8690, -53.6290

# 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.



84.9230, -64.1360, -38.1200



103.9020, 22.8690, 53.6290



91.7350, 18.1180, -42.0260

# Square

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



103.9020, 22.8690, 53.6290



94.5890, 84.5000, -0.5560



75.7350, -43.7760, -54.6880



95.6050, -96.9700, -4.7300



# Rectangle

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



103.9020, 22.8690, 53.6290



87.1170, 84.9950, 51.0670



75.7350, -43.7760, -54.6880



89.9560, -76.9300, -26.5140

# Sweetspot

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



103.9020, 22.8690, 53.6290



196.1500, 9.1660, 21.1180



82.2420, -37.6470, 27.0010



96.1400, 5.9580, 13.1740



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.



103.9020, 22.8690, 53.6290



117.7140, 36.3430, 84.7830



102.5170, 42.5860, 43.2100



79.0050, 1.6040, 3.9720



56.6390, 31.7600, 74.2240



7.6620, 4.3080, 10.0360



# Inverse Universe

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



96.2470, 60.2410, 26.1050



105.4690, 95.2670, 41.1150



130.4830, -42.5860, -43.2100



78.5060, 4.4470, 2.0070



45.9620, 83.3930, 36.0410



6.2080, 11.2780, 4.8620



# Previews

## White Background



This preview shows how the YIQ color 103.9020, 22.8690, 53.6290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

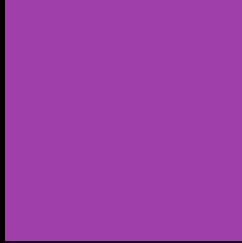
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 103.9020, 22.8690, 53.6290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

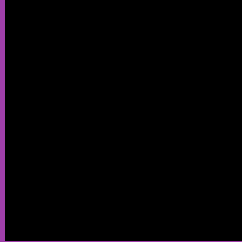
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 103.9020, 22.8690, 53.6290

## Background



This preview shows how black text looks on a background with the YIQ color 103.9020, 22.8690, 53.6290.



This preview shows how white text looks on a background with the YIQ color 103.9020, 22.8690,



# 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

103.9020, 22.8690, 53.6290

### Protanopia

94.2470, -71.5740, 19.6100

### Deuteranopia

101.7560, -36.8190, 11.9890



## Tritanopia

105.5210, 35.6220, 15.2220

# Trichromacy



## Original Color

103.9020, 22.8690, 53.6290



## Protanomaly

97.7030, -37.3270, 32.2170



## Deuteranomaly

102.5620, -15.1810, 27.3390



## Tritanomaly

105.2130, 31.2180, 28.9620

# Monochromacy



## Original Color

103.9020, 22.8690, 53.6290



## Achromatopsia

104.0000, -0.0000, -0.0000



## Achromatomaly

103.9110, 8.3410, 19.5490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.9020, 22.8690, 53.6290 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(159, 63, 170)` looks like.

```
.text, #text, p{  
    color:rgb(159, 63, 170)  
}
```

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(159, 63, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 63, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 103.9020, 22.8690, 53.6290 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(159, 63, 170) }
```



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

```
.border{ border-color:rgb(159, 63, 170) }
```

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

Here you see how a box with a 4 pixel rgb(159, 63, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 63, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 63, 170);  
box-shadow:4px 4px 4px 4px rgb(159, 63,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.9020, 22.8690, 53.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 63, 170) }
```

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

```
.background{ background-color: rgb(159, 63,  
170) }
```

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