

# Converting Colors

YIQ(93.6640, 29.4710, 55.1270)

Have a look what the booklet for  
YIQ(93.6640, 29.4710, 55.1270)  
contains.

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# Color

**YIQ(93.6640, 29.4710,  
55.1270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C329B
RGB	156, 50, 155
RGB Percent	61%, 20%, 61%
CMY	0.3879, 0.8041, 0.3921
CMYK	0.00, 0.68, 0.01, 0.39
HSL	301°, 52%, 40%
HSV	301°, 68%, 61%
XYZ	20.7818, 11.7203, 32.1813
YIQ	93.6640, 29.4710, 55.1270

# Conversions

## Conversions Part 2

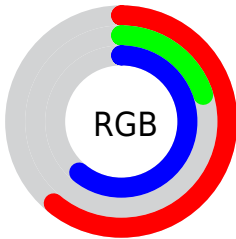
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 50, 155
Decimal	10236571
CIE <sub>Lab</sub>	40.77, 56.53, -35.35
CIE <sub>LCh</sub>	41, 66.672, 327.984
Yxy	11.7203, 0.3213, 0.1812
Android (android.graphics.Color)	4288426651 (0xFF9C329B)
YUV	93.6640, 30.2386, 54.6687
Hunter-Lab	34.2349, 48.4450, -31.7690

# Details

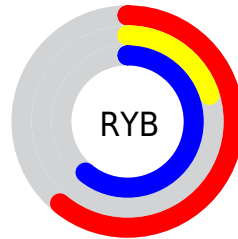
The YIQ color **93.6640, 29.4710, 55.1270** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **112.3360, -29.4710, -55.1270**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.2620, 30.6630, 55.5510**, and **41.9410, 27.1330, 53.4450** is the 20% darker color. If you saturate the color by 10%, you get **84.2720, 33.8710, 63.4950**, and if you desaturate by 10%, it is **103.0560, 25.0710, 46.7590**.

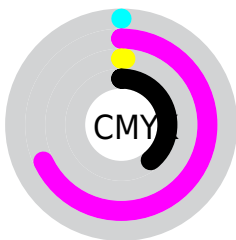
# Distribution



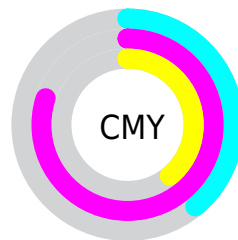
- Red (61%)
- Green (20%)
- Blue (61%)



- Red (61%)
- Yellow (20%)
- Blue (61%)



- Cyan (0%)
- Magenta (68%)
- Yellow (1%)
- Black (39%)



- Cyan (39%)
- Magenta (80%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.6640, 29.4710, 55.1270 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 93.6640, 29.4710, 55.1270 by changing the saturation by 10% instead.



93.6640, 29.4710,  
55.1270

93.6640, 29.4710,  
55.1270

255.0000, -0.0000,  
-0.0000

62.3700, 30.4790,  
58.8870

149.2620, 30.6630,  
55.5510

41.9410, 27.1330,  
53.4450

177.8600, 31.8550,  
55.9750

31.4310, 19.3410,  
40.4690

199.2350, 26.1250,  
49.6850

21.6330, 12.4200,  
28.2280

215.6710, 18.4250,  
35.0410

9.1440, 0.1350,  
14.0790

232.6940, 10.4500,  
19.8740

0.5700, -1.6050,  
1.5550

249.7170, 2.4750,

0.0000, 0.0000,

4.7070

0.0000

■ 93.6640, 29.4710,  
55.1270

■ 93.6640, 29.4710,  
55.1270

■ 84.2720, 33.8710,  
63.4950

■ 103.0560, 25.0710,  
46.7590

■ 75.4670, 37.9960,  
71.3400

■ 111.8610, 20.9460,  
38.9140

■ 66.0750, 42.3960,  
79.7080

■ 121.2530, 16.5460,  
30.5460

■ 64.3140, 43.2210,  
81.2770

■ 130.1720, 12.1000,  
23.0120

■ 139.5640, 7.7000,  
14.6440

■ 148.9560, 3.3000,  
6.2760

■ 157.7610, -0.8250,  
-1.5690

■ 167.1530, -5.2250,  
-9.9370

■ 175.9580, -9.3500,  
-17.7820

# Harmonies

## Analogous

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



94.1590, -38.6110, 33.4610



93.6640, 29.4710, 55.1270



73.9980, 75.6850, 65.6130

# Triad

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



93.6640, 29.4710, 55.1270



90.7700, 46.5410, -22.9870



86.4970, -79.5910, -16.8310

# Complementary

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



93.6640, 29.4710, 55.1270



112.3360, -29.4710, -55.1270

# 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.



80.2270, -61.9360, -33.9360



93.6640, 29.4710, 55.1270



83.4290, 10.2320, -42.2800

# Square

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



93.6640, 29.4710, 55.1270



88.0550, 77.2560, -1.4320



71.1530, -41.8970, -50.1930



89.6380, -92.5690, -1.8890



# Rectangle

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



93.6640, 29.4710, 55.1270



75.7750, 85.9580, 50.1340



71.1530, -41.8970, -50.1930



84.5590, -74.1340, -22.1180

# Sweetspot

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



93.6640, 29.4710, 55.1270



179.9330, 11.2750, 21.4430



62.0840, -34.0260, 32.9660



87.9120, 6.6000, 12.5520



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



93.6640, 29.4710, 55.1270



105.7430, 46.5670, 86.7190



87.7360, 46.1630, 38.9550



74.3040, 2.2000, 4.1840



58.8310, 39.9670, 74.1670



6.1950, 4.1250, 7.8450



# Inverse Universe

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



93.6640, 29.4710, 55.1270



105.7430, 46.5670, 86.7190



118.2640, -46.1630, -38.9550



74.3040, 2.2000, 4.1840



58.8310, 39.9670, 74.1670



6.1950, 4.1250, 7.8450



# Previews

## White Background



This preview shows how the YIQ color 93.6640, 29.4710, 55.1270 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 93.6640, 29.4710, 55.1270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

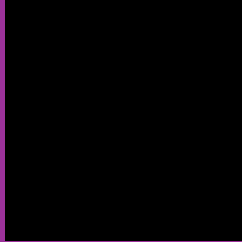
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.6640, 29.4710, 55.1270**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.6640, 29.4710, 55.1270.



This preview shows how white text looks on a background with the YIQ color 93.6640, 29.4710,



# 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

93.6640, 29.4710, 55.1270

### Protanopia

84.6980, -74.4620, 16.8820

### Deuteranopia

95.3390, -31.2710, 10.5610



## Tritanopia

96.3970, 41.9030, 17.0310

# Trichromacy



## Original Color

93.6640, 29.4710, 55.1270



## Protanomaly

87.9480, -36.6390, 30.7610



## Deuteranomaly

94.9710, -9.0830, 26.9570



## Tritanomaly

95.2030, 37.1780, 31.0820

# Monochromacy



## Original Color

93.6640, 29.4710, 55.1270



## Achromatopsia

94.0000, 0.0000, 0.0000



## Achromatomaly

93.9930, 11.0460, 20.0860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.6640, 29.4710, 55.1270 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(156, 50, 155)` looks like.

```
.text, #text, p{  
    color:rgb(156, 50, 155)  
}
```

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(156, 50, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 50, 155) }
```

## Border

The CSS property to change the border of an element to YIQ 93.6640, 29.4710, 55.1270 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(156, 50, 155) }
```



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

```
.border{ border-color:rgb(156, 50, 155) }
```

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

Here you see how a box with a 4 pixel rgb(156, 50, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 50, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 50, 155);  
box-shadow:4px 4px 4px 4px rgb(156, 50,  
155) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.6640, 29.4710, 55.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 50, 155) }
```

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

```
.background{ background-color: rgb(156, 50,  
155) }
```

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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