

# Converting Colors

YIQ(71.5570, 19.8870, 63.6230)

Have a look what the booklet for  
YIQ(71.5570, 19.8870, 63.6230)  
contains.

<b>YIQ(71.5570, 19.8870, 63.6230)</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(71.5570, 19.8870,  
63.6230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	82199E
RGB	130, 25, 158
RGB Percent	51%, 10%, 62%
CMY	0.4899, 0.9021, 0.3804
CMYK	0.18, 0.84, 0.00, 0.38
HSL	287°, 73%, 36%
HSV	287°, 84%, 62%
XYZ	15.7367, 7.9143, 33.0432
YIQ	71.5570, 19.8870, 63.6230

# Conversions

## Conversions Part 2

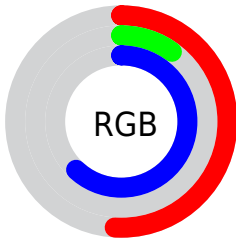
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 25, 158
Decimal	8526238
CIE <sub>Lab</sub>	33.80, 59.88, -48.53
CIE <sub>LCh</sub>	34, 77.080, 320.976
Yxy	7.9143, 0.2776, 0.1396
Android (android.graphics.Color)	4286716318 (0xFF82199E)
YUV	71.5570, 42.6164, 51.2545
Hunter-Lab	28.1324, 50.6172, -49.9469

# Details

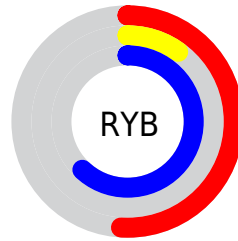
The YIQ color **71.5570, 19.8870, 63.6230** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **111.4430, -19.8870, -63.6230**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **130.0900, 19.7040, 61.4320**, and **34.5090, 10.6740, 48.8660** is the 20% darker color. If you saturate the color by 10%, you get **61.2680, 22.4990, 71.3550**, and if you desaturate by 10%, it is **81.8460, 17.2750, 55.8910**.

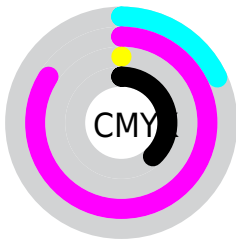
# Distribution



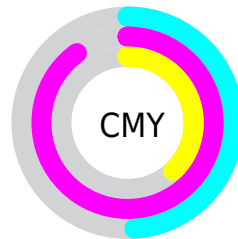
- Red (51%)
- Green (10%)
- Blue (62%)



- Red (51%)
- Yellow (10%)
- Blue (62%)



- Cyan (18%)
- Magenta (84%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (90%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.5570, 19.8870, 63.6230 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 71.5570, 19.8870, 63.6230 by changing the saturation by 10% instead.



71.5570, 19.8870,  
63.6230

71.5570, 19.8870,  
63.6230

255.0000, -0.0000,  
-0.0000

45.7310, 19.3370,  
62.5770

130.0900, 19.7040,  
61.4320

34.5090, 10.6740,  
48.8660

157.9160, 20.2540,  
62.4780

23.8850, 3.2030,  
35.5790

183.9180, 25.9400,  
58.5480

12.4780, -6.3770,  
21.9670

203.3440, 24.2000,  
46.0240

5.0500, -11.4640,  
9.5280

220.3670, 16.2250,  
30.8570

0.9120, -2.5680,  
2.4880

237.3900, 8.2500,

0.0000, 0.0000,

15.6900

0.0000

254.4130, 0.2750,  
0.5230

■ 71.5570, 19.8870,  
63.6230

■ 71.5570, 19.8870,  
63.6230

■ 61.2680, 22.4990,  
71.3550

■ 81.8460, 17.2750,  
55.8910

■ 55.3870, 23.7820,  
75.6380

■ 92.4340, 15.2590,  
48.3710

■ 102.1360, 12.9220,  
41.1620

■ 112.4250, 10.3100,  
33.4300

■ 123.0130, 8.2940,  
25.9100

■ 133.3020, 5.6820,  
18.1780

■ 143.5910, 3.0700,  
10.4460

■ 153.5920, 1.3290,  
3.4490

■ 163.8810, -1.2830,  
-4.2830

# Harmonies

## Analogous

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



65.3090, -83.3120, 23.0880



71.5570, 19.8870, 63.6230



63.2410, 70.6870, 68.0870

# Triad

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



71.5570, 19.8870, 63.6230



75.4640, 47.8230, -13.1770



74.3690, -67.4870, -15.9270

# Complementary

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



71.5570, 19.8870, 63.6230



111.4430, -19.8870, -63.6230

# 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.



65.8990, -46.3930, -34.7850



71.5570, 19.8870, 63.6230



68.9870, 8.9010, -34.6750

# Square

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



71.5570, 19.8870, 63.6230



65.1290, 83.5800, 16.1240



57.5260, -26.9500, -51.2540



79.8240, -84.2250, 1.0790



# Rectangle

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



71.5570, 19.8870, 63.6230



60.7740, 87.6990, 57.1310



57.5260, -26.9500, -51.2540



71.9750, -60.7460, -22.4580

# Sweetspot

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



71.5570, 19.8870, 63.6230



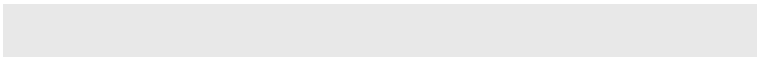
173.1870, 7.7440, 24.8640



57.1850, -50.6680, 26.1960



84.1230, 4.6280, 15.2520



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



71.5570, 19.8870, 63.6230



72.3350, 30.7010, 98.9330



75.5970, 48.7730, 57.7410



73.7060, 1.0080, 3.7600



50.0890, 21.4450, 68.4290



5.2980, 2.3370, 7.2090



# Inverse Universe

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



67.9590, 70.2800, 36.9040



66.7950, 109.5690, 57.2570



107.4030, -48.7730, -57.7410



73.6200, 4.1260, 2.3180



46.1770, 75.5980, 39.6460



4.8270, 7.9770, 4.1130



# Previews

## White Background



This preview shows how the YIQ color 71.5570, 19.8870, 63.6230 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 71.5570, 19.8870, 63.6230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

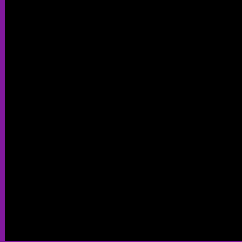
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 71.5570, 19.8870, 63.6230**

## **Background**



This preview shows how black text looks on a background with the YIQ color 71.5570, 19.8870, 63.6230.



This preview shows how white text looks on a background with the YIQ color 71.5570, 19.8870,



# 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

71.5570, 19.8870, 63.6230

### Protanopia

64.5960, -74.4150, 10.5210

### Deuteranopia

64.6640, -69.0950, 2.2090



## Tritanopia

81.4170, 29.9830, 12.7910

# Trichromacy



## Original Color

71.5570, 19.8870, 63.6230

## Protanomaly

67.1540, -40.2150, 29.4890

## Deuteranomaly

66.9600, -36.9130, 24.7110

## Tritanomaly

77.4560, 26.2200, 31.4360

# Monochromacy



## Original Color

71.5570, 19.8870, 63.6230

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

71.8340, 7.2400, 22.9840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.5570, 19.8870, 63.6230 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(130, 25, 158)` looks like.

```
.text, #text, p{  
    color:rgb(130, 25, 158)  
}
```

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(130, 25, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 25, 158) }
```

## Border

The CSS property to change the border of an element to YIQ 71.5570, 19.8870, 63.6230 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(130, 25, 158) }
```



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

```
.border{ border-color:rgb(130, 25, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 25, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 25, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 25, 158);  
box-shadow:4px 4px 4px 4px rgb(130, 25,  
158) }
```

# Background

The CSS property to change the background color of an element to YIQ 71.5570, 19.8870, 63.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 25, 158) }
```

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

```
.background{ background-color: rgb(130, 25,  
158) }
```

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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