

# Converting Colors

YIQ(104.8030, 10.8070, 73.9990)

Have a look what the booklet for  
YIQ(104.8030, 10.8070, 73.9990)  
contains.

<b>YIQ(104.8030, 10.8070, 73.9990)</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(104.8030, 10.8070,  
73.9990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A136DB
RGB	161, 54, 219
RGB Percent	63%, 21%, 86%
CMY	0.3683, 0.7884, 0.1413
CMYK	0.26, 0.75, 0.00, 0.14
HSL	279°, 70%, 54%
HSV	279°, 75%, 86%
XYZ	28.8167, 15.3341, 68.4438
YIQ	104.8030, 10.8070, 73.9990

# Conversions

## Conversions Part 2

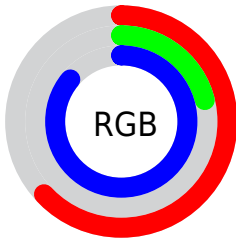
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 54, 219
Decimal	10565339
CIE <sub>Lab</sub>	46.09, 68.27, -64.28
CIE <sub>LCh</sub>	46, 93.770, 316.728
Yxy	15.3341, 0.2559, 0.1362
Android (android.graphics.Color)	4288755419 (0xFFA136DB)
YUV	104.8030, 56.2991, 49.2848
Hunter-Lab	39.1587, 62.8296, -76.2193

# Details

The YIQ color **104.8030, 10.8070, 73.9990** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **168.1970, -10.8070, -73.9990**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **160.0070, 18.7400, 67.8920**, and **49.3790, 9.0650, 72.5290** is the 20% darker color. If you saturate the color by 10%, you get **89.4970, 12.0890, 83.8090**, and if you desaturate by 10%, it is **120.1090, 9.5250, 64.1890**.

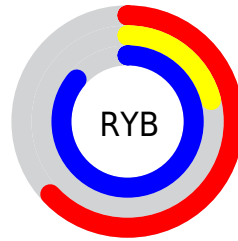
# Distribution



Red (63%)

Green (21%)

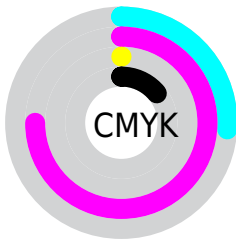
Blue (86%)



Red (63%)

Yellow (21%)

Blue (86%)

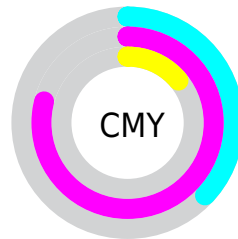


Cyan (26%)

Magenta (75%)

Yellow (0%)

Black (14%)



Cyan (37%)

Magenta (79%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 104.8030, 10.8070, 73.9990 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 104.8030, 10.8070, 73.9990 by changing the saturation by 10% instead.



104.8030, 10.8070,  
73.9990

104.8030, 10.8070,  
73.9990

255.0000, -0.0000,  
-0.0000

71.2210, 12.6860,  
78.4940

160.0070, 18.7400,  
67.8920

49.3790, 9.0650,  
72.5290

185.4130, 28.9200,  
59.6080

37.6300, 0.4480,  
57.9840

203.9310, 23.9250,  
45.5010

25.3970, -9.6820,  
43.3260

220.3670, 16.2250,  
30.8570

10.7720, -24.5800,  
26.9720

237.3900, 8.2500,  
15.6900

6.8400, -19.2600,  
18.6600

5.3920, -12.4270,

10.4610

■ 2.1830, -4.7690,  
3.8310

■ 0.0000, 0.0000,  
0.0000

■ 104.8030, 10.8070,  
73.9990

■ 104.8030, 10.8070,  
73.9990

■ 89.4970, 12.0890,  
83.8090

■ 120.1090, 9.5250,  
64.1890

■ 74.4900, 13.9670,  
93.8310

■ 135.1160, 7.6470,  
54.1670

■ 67.4240, 14.3330,  
98.2130

■ 150.4220, 6.3650,  
44.3570

■ 165.7280, 5.0830,  
34.5470

180.1480, 3.4800,  
25.0480

195.4540, 2.1980,  
15.2380

210.7600, 0.9160,  
5.4280

226.0660, -0.3660,  
-4.3820

241.0730, -2.2440,  
-14.4040

# Harmonies

## Analogous

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



90.7050, -110.7300, 24.3900



104.8030, 10.8070, 73.9990



84.4460, 87.1880, 93.9400

# Triad

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



104.8030, 10.8070, 73.9990



103.0290, 70.9770, -14.2950



99.0350, -87.3380, -25.1140

# Complementary

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



104.8030, 10.8070, 73.9990



168.1970, -10.8070, -73.9990

# 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.



88.3990, -60.1450, -49.8810



104.8030, 10.8070, 73.9990



97.3610, 22.1070, -42.7330

# Square

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



104.8030, 10.8070, 73.9990



85.1070, 116.1770, 25.5930



77.4840, -36.3000, -69.0360



106.5420, -109.8540, -2.5100



# Rectangle

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



104.8030, 10.8070, 73.9990



82.4050, 111.6280, 80.5240



77.4840, -36.3000, -69.0360



95.9570, -78.6710, -33.5110

# Sweetspot

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



104.8030, 10.8070, 73.9990



214.0880, 3.7090, 26.4050



108.0300, -69.4650, 19.9350



102.9810, 2.1520, 16.0720



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



104.8030, 10.8070, 73.9990



95.7710, 14.9740, 103.1180



119.6370, 52.4370, 79.4530



102.3470, 0.6410, 4.9050



53.5090, 11.8150, 77.7590



14.2140, 3.1140, 20.6660



# Inverse Universe

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



109.9470, 79.7220, 53.0180



103.0040, 111.0790, 73.9510



153.3630, -52.4370, -79.4530



102.7450, 5.2720, 3.5760



58.6810, 83.5270, 55.6470

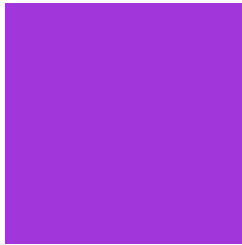


15.5780, 22.2800, 14.7280



# Previews

## White Background



This preview shows how the YIQ color 104.8030, 10.8070, 73.9990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

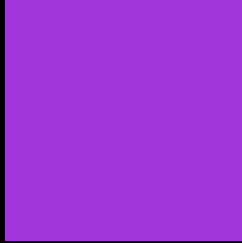
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 104.8030, 10.8070, 73.9990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

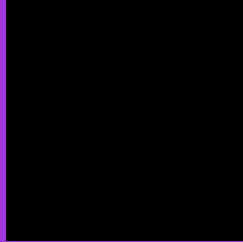
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 104.8030, 10.8070, 73.9990

## Background



This preview shows how black text looks on a background with the YIQ color 104.8030, 10.8070, 73.9990.



This preview shows how white text looks on a background with the YIQ color 104.8030, 10.8070,



# 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

104.8030, 10.8070, 73.9990

### Protanopia

87.6440, -100.7330, 13.9150

### Deuteranopia

88.0880, -93.7160, 2.3800



## Tritanopia

111.2530, 24.5730, 11.7170

# Trichromacy



## Original Color

104.8030, 10.8070, 73.9990



## Protanomaly

94.0180, -60.0230, 36.0490



## Deuteranomaly

94.3140, -55.3450, 28.3590



## Tritanomaly

108.7420, 19.6630, 34.6310

# Monochromacy



## Original Color

104.8030, 10.8070, 73.9990



## Achromatopsia

105.0000, 0.0000, 0.0000



## Achromatomaly

104.5010, 3.9840, 26.9280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 104.8030, 10.8070, 73.9990 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(161, 54, 219)` looks like.

```
.text, #text, p{  
    color:rgb(161, 54, 219)  
}
```

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(161, 54, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 54, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 104.8030, 10.8070, 73.9990 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(161, 54, 219) }
```



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

```
.border{ border-color:rgb(161, 54, 219) }
```

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

Here you see how a box with a 4 pixel rgb(161, 54, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 54, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 54, 219);  
box-shadow:4px 4px 4px 4px rgb(161, 54,  
219) }
```

# Background

The CSS property to change the background color of an element to YIQ 104.8030, 10.8070, 73.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 54, 219) }
```

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

```
.background{ background-color: rgb(161, 54,  
219) }
```

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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