

# Converting Colors

YIQ(74.1630, 36.9370, 96.0490)

Have a look what the booklet for  
YIQ(74.1630, 36.9370, 96.0490)  
contains.

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# Color

**YIQ(74.1630, 36.9370,  
96.0490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A902C5
RGB	169, 2, 197
RGB Percent	66%, 1%, 77%
CMY	0.3367, 0.9924, 0.2275
CMYK	0.14, 0.99, 0.00, 0.23
HSL	291°, 98%, 39%
HSV	291°, 99%, 77%
XYZ	26.4894, 12.5227, 53.8436
YIQ	74.1630, 36.9370, 96.0490

# Conversions

## Conversions Part 2

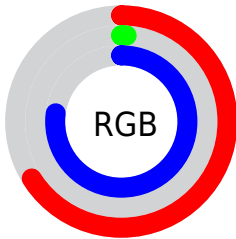
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 2, 197
Decimal	11076293
CIELab	42.04, 76.45, -58.10
CIElCh	42, 96.018, 322.767
Yxy	12.5227, 0.2853, 0.1349
Android (android.graphics.Color)	4289266373 (0xFFA902C5)
YUV	74.1630, 60.5586, 83.1720
Hunter-Lab	35.3875, 71.6889, -65.4412

# Details

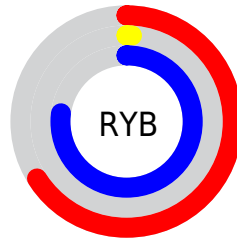
The YIQ color **74.1630, 36.9370, 96.0490** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **124.8370, -36.9370, -96.0490**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **147.7240, 30.3830, 82.6630**, and **49.3770, 20.5740, 67.6940** is the 20% darker color. If you saturate the color by 10%, you get **72.9890, 37.4870, 97.0950**, and if you desaturate by 10%, it is **86.8000, 33.2250, 86.2250**.

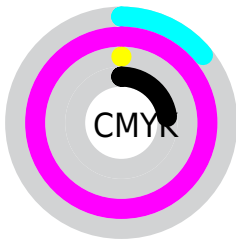
# Distribution



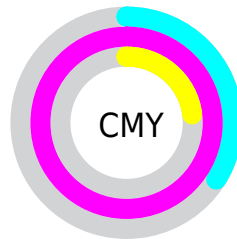
- Red (66%)
- Green (1%)
- Blue (77%)



- Red (66%)
- Yellow (1%)
- Blue (77%)



- Cyan (14%)
- Magenta (99%)
- Yellow (0%)
- Black (23%)



- Cyan (34%)
- Magenta (99%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 74.1630, 36.9370, 96.0490 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 74.1630, 36.9370, 96.0490 by changing the saturation by 10% instead.



74.1630, 36.9370,  
96.0490

74.1630, 36.9370,  
96.0490

255.0000, -0.0000,  
-0.0000

61.1260, 29.1910,  
82.2390

148.0230, 30.9790,  
82.8750

49.3770, 20.5740,  
67.6940

173.4070, 38.2250,  
72.6970

38.0410, 12.2320,  
53.6720

190.4300, 30.2500,  
57.5300

26.7050, 3.8900,  
39.6500

207.4530, 22.2750,  
42.3630

14.4010, -7.4780,  
25.4020

225.0630, 14.0250,  
26.6730

6.5490, -14.3070,  
11.4930

242.0860, 6.0500,

2.9810, -7.0160,

11.5060

6.0080

■ 0.0000, 0.0000,  
0.0000

■ 74.1630, 36.9370,  
96.0490

■ 74.1630, 36.9370,  
96.0490

■ 72.9890, 37.4870,  
97.0950

■ 86.8000, 33.2250,  
86.2250

■ 98.8500, 29.7880,  
76.9240

■ 111.4870, 26.0760,  
67.1000

■ 123.8250, 21.7680,  
57.0640

■ 135.8750, 18.3310,  
47.7630

■ 148.5120, 14.6190,  
37.9390

■ 161.1490, 10.9070,  
28.1150

■ 173.7860, 7.1950,  
18.2910

■ 185.5370, 3.1620,  
8.7780

# Harmonies

## Analogous

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



80.0420, -104.1290, 31.4150



74.1630, 36.9370, 96.0490



80.2860, 93.1500, 85.0060

# Triad

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



74.1630, 36.9370, 96.0490



93.7930, 56.9020, -18.0260



93.8490, -86.5140, -18.0180

# Complementary

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



74.1630, 36.9370, 96.0490



124.8370, -36.9370, -96.0490

# 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.



83.3270, -59.6420, -42.4740



74.1630, 36.9370, 96.0490



84.2710, 4.6850, -46.3790

# Square

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



74.1630, 36.9370, 96.0490



79.7140, 103.9820, 20.8300



72.2010, -33.8250, -64.3290



100.4270, -107.7920, 4.1760



# Rectangle

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



74.1630, 36.9370, 96.0490



76.2660, 113.0970, 70.4170



72.2010, -33.8250, -64.3290



90.2980, -77.8930, -25.5810

# Sweetspot

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



74.1630, 36.9370, 96.0490



207.0990, 14.3440, 37.4160



41.2530, -70.5700, 45.4780



98.9050, 8.4780, 22.5740



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.



74.1630, 36.9370, 96.0490



94.5510, 48.6690, 125.7330



74.7830, 75.4530, 80.8370



93.4180, 1.8790, 4.4950



60.4420, 31.1170, 80.3730



13.3730, 6.9200, 17.7680



# Inverse Universe

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



63.4970, 107.2320, 50.0480



80.3490, 140.4240, 65.2560



124.2170, -75.4530, -80.8370



92.8050, 5.0430, 2.2190



51.3590, 89.7650, 41.7090



11.3340, 19.8510, 9.1870



# Previews

## White Background



This preview shows how the YIQ color 74.1630, 36.9370, 96.0490 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

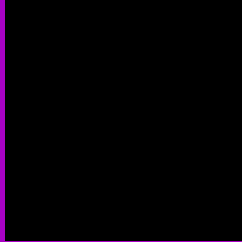
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 74.1630, 36.9370, 96.0490**

## **Background**



This preview shows how black text looks on a background with the YIQ color 74.1630, 36.9370, 96.0490.



This preview shows how white text looks on a background with the YIQ color 74.1630, 36.9370,



# 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

74.1630, 36.9370, 96.0490

### Protanopia

81.0100, -93.0760, 12.8120

### Deuteranopia

81.2090, -86.7470, 2.7330



## Tritanopia

100.7070, 43.9660, 18.1900

# Trichromacy



## Original Color

74.1630, 36.9370, 96.0490



## Protanomaly

78.6610, -45.5360, 43.3280



## Deuteranomaly

78.5980, -41.2250, 36.7830



## Tritanomaly

91.3260, 41.8060, 46.3340

# Monochromacy



## Original Color

74.1630, 36.9370, 96.0490



## Achromatopsia

74.0000, -0.0000, 0.0000



## Achromatomaly

74.3330, 13.5650, 35.0130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 74.1630, 36.9370, 96.0490 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(169, 2, 197)` looks like.

```
.text, #text, p{  
    color:rgb(169, 2, 197)  
}
```

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(169, 2, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 2, 197) }
```

## Border

The CSS property to change the border of an element to YIQ 74.1630, 36.9370, 96.0490 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(169, 2, 197) }
```



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

```
.border{ border-color:rgb(169, 2, 197) }
```

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

Here you see how a box with a 4 pixel rgb(169, 2, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 2, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 2, 197);  
box-shadow:4px 4px 4px 4px rgb(169, 2,  
197) }
```

# Background

The CSS property to change the background color of an element to YIQ 74.1630, 36.9370, 96.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 2, 197) }
```

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

```
.background{ background-color: rgb(169, 2,  
197) }
```

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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