

# Converting Colors

YIQ(74.7990, 34.9660, 93.2220)

Have a look what the booklet for  
YIQ(74.7990, 34.9660, 93.2220)  
contains.

<b>YIQ(74.7990, 34.9660, 93.2220)</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(74.7990, 34.9660,  
93.2220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A605C3
RGB	166, 5, 195
RGB Percent	65%, 2%, 76%
CMY	0.3485, 0.9806, 0.2353
CMYK	0.15, 0.97, 0.00, 0.24
HSL	291°, 95%, 39%
HSV	291°, 97%, 76%
XYZ	25.6563, 12.1679, 52.6249
YIQ	74.7990, 34.9660, 93.2220

# Conversions

## Conversions Part 2

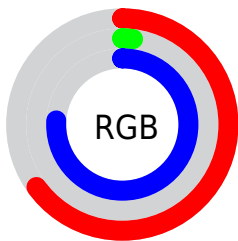
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 5, 195
Decimal	10880451
CIELab	41.48, 75.37, -57.85
CIELCh	41, 95.012, 322.494
Yxy	12.1679, 0.2837, 0.1345
Android (android.graphics.Color)	4289070531 (0xFFA605C3)
YUV	74.7990, 59.2591, 79.9833
Hunter-Lab	34.8826, 70.2433, -65.0289

# Details

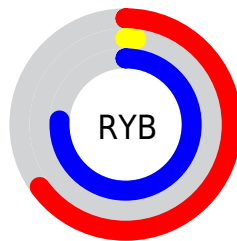
The YIQ color **74.7990, 34.9660, 93.2220** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **125.2010, -34.9660, -93.2220**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **146.4850, 29.5580, 81.0940**, and **48.2520, 19.4280, 66.4360** is the 20% darker color. If you saturate the color by 10%, you get **71.5650, 35.7450, 95.6250**, and if you desaturate by 10%, it is **86.8490, 31.5290, 83.9210**.

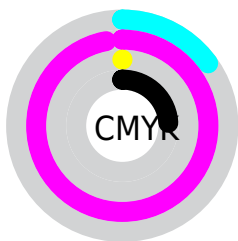
# Distribution



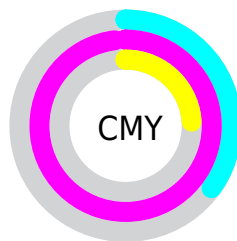
- Red (65%)
- Green (2%)
- Blue (76%)



- Red (65%)
- Yellow (2%)
- Blue (76%)



- Cyan (15%)
- Magenta (97%)
- Yellow (0%)
- Black (24%)




- Cyan (35%)
- Magenta (98%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 74.7990, 34.9660, 93.2220 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 74.7990, 34.9660, 93.2220 by changing the saturation by 10% instead.





 74.7990, 34.9660,  
93.2220


 74.7990, 34.9660,  
93.2220


255.0000, -0.0000,  
-0.0000

 60.0010, 28.0450,  
80.9810


 146.4850, 29.5580,  
81.0940


 48.2520, 19.4280,  
66.4360


 173.4070, 38.2250,  
72.6970


 36.9160, 11.0860,  
52.4140


 190.4300, 30.2500,  
57.5300

 25.9930, 3.0190,  
38.9150

 207.4530, 22.2750,  
42.3630

 12.9770, -9.2200,  
23.9320

 224.4760, 14.3000,  
27.1960

 6.4350, -13.9860,  
11.1820

 242.0860, 6.0500,

 2.7530, -6.3740,

11.5060

5.3860

■ 0.0000, 0.0000,  
0.0000

■ 74.7990, 34.9660,  
93.2220

■ 74.7990, 34.9660,  
93.2220

■ 71.5650, 35.7450,  
95.6250

■ 86.8490, 31.5290,  
83.9210

■ 99.4860, 27.8170,  
74.0970

■ 111.5360, 24.3800,  
64.7960

■ 124.1730, 20.6680,  
54.9720

■ 136.2230, 17.2310,  
45.6710

■ 148.8600, 13.5190,  
35.8470

■ 160.9100, 10.0820,  
26.5460

■ 173.5470, 6.3700,  
16.7220

■ 185.5970, 2.9330,  
7.4210

# Harmonies

## Analogous

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



79.1130, -102.8910, 31.0050



74.7990, 34.9660, 93.2220



78.9760, 91.0870, 83.8470

# Triad

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



74.7990, 34.9660, 93.2220



92.3200, 56.8560, -17.1920



92.3330, -85.0010, -17.9050

# Complementary

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



74.7990, 34.9660, 93.2220



125.2010, -34.9660, -93.2220

# 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.



81.9250, -58.4500, -42.0500



74.7990, 34.9660, 93.2220



83.0970, 5.2350, -45.3330

# Square

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



74.7990, 34.9660, 93.2220



77.9420, 103.3400, 21.4520



71.0270, -33.2750, -63.2830



99.4980, -106.5540, 3.7660



# Rectangle

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



74.7990, 34.9660, 93.2220



75.2550, 111.6300, 69.4700



71.0270, -33.2750, -63.2830



89.3690, -76.6550, -25.9910

# Sweetspot

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



74.7990, 34.9660, 93.2220



205.8600, 13.5190, 35.8470



45.4440, -69.7900, 42.3540



99.4920, 8.2030, 22.0510



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.



74.7990, 34.9660, 93.2220



92.7140, 46.6520, 123.7400



76.2880, 72.4730, 79.7770



90.5320, 1.5580, 4.8060



59.0180, 29.3750, 78.9030



12.1340, 6.0950, 16.1990



# Inverse Universe

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



65.1160, 103.9310, 49.2990



79.6800, 137.9940, 65.2420



123.7120, -72.4730, -79.7770



90.2180, 5.3180, 2.7420



50.8750, 88.2520, 41.5960

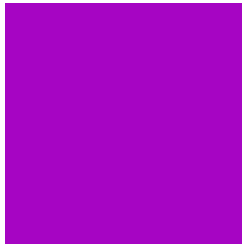


10.4370, 18.0630, 8.5510



# Previews

## White Background



This preview shows how the YIQ color 74.7990, 34.9660, 93.2220 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 74.7990, 34.9660, 93.2220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

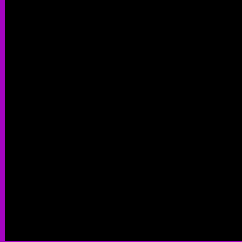
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 74.7990, 34.9660, 93.2220**

## **Background**



This preview shows how black text looks on a background with the YIQ color 74.7990, 34.9660, 93.2220.



This preview shows how white text looks on a background with the YIQ color 74.7990, 34.9660,



# 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

74.7990, 34.9660, 93.2220

### Protanopia

79.4940, -91.5630, 12.9250

### Deuteranopia

80.2800, -85.5090, 2.3230



## Tritanopia

99.1090, 42.7740, 17.7660

# Trichromacy



## Original Color

74.7990, 34.9660, 93.2220

## Protanomaly

77.7210, -45.7650, 41.9710

## Deuteranomaly

78.3590, -42.0500, 35.2140

## Tritanomaly

90.3150, 40.3390, 45.3870

# Monochromacy



## Original Color

74.7990, 34.9660, 93.2220

## Achromatopsia

75.0000, -0.0000, -0.0000

## Achromatomaly

75.2080, 12.4190, 33.7550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 74.7990, 34.9660, 93.2220 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(166, 5, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 5, 195)  
}
```

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(166, 5, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 5, 195) }
```

## Border

The CSS property to change the border of an element to YIQ 74.7990, 34.9660, 93.2220 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(166, 5, 195) }
```



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

```
.border{ border-color:rgb(166, 5, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 5, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 5, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 5, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 5,  
195) }
```

# Background

The CSS property to change the background color of an element to YIQ 74.7990, 34.9660, 93.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 5, 195) }
```

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

```
.background{ background-color: rgb(166, 5,  
195) }
```

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**