

# Converting Colors

YIQ(79.9490, 16.6280, 84.1480)

Have a look what the booklet for  
YIQ(79.9490, 16.6280, 84.1480)  
contains.

<b>YIQ(79.9490, 16.6280, 84.1480)</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(79.9490, 16.6280,  
84.1480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9415CD
RGB	148, 21, 205
RGB Percent	58%, 8%, 80%
CMY	0.4192, 0.9178, 0.1962
CMYK	0.28, 0.90, 0.00, 0.20
HSL	281°, 81%, 44%
HSV	281°, 90%, 80%
XYZ	23.5163, 11.2470, 58.6767
YIQ	79.9490, 16.6280, 84.1480

# Conversions

## Conversions Part 2

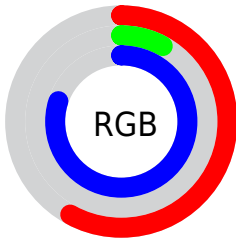
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 21, 205
Decimal	9704909
CIE Lab	39.99, 72.54, -66.21
CIE LCh	40, 98.216, 317.611
Yxy	11.2470, 0.2517, 0.1204
Android (android.graphics.Color)	4287894989 (0xFF9415CD)
YUV	79.9490, 61.6501, 59.6807
Hunter-Lab	33.5366, 66.4772, -80.2600

# Details

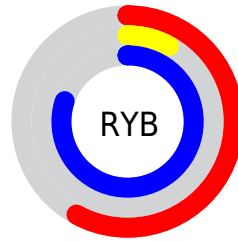
The YIQ color **79.9490, 16.6280, 84.1480** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **146.0510, -16.6280, -84.1480**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **143.2060, 17.0420, 76.6420**, and **43.8960, 5.8110, 65.4190** is the 20% darker color. If you saturate the color by 10%, you get **65.8280, 18.8270, 93.8590**, and if you desaturate by 10%, it is **93.4830, 14.7040, 74.9600**.

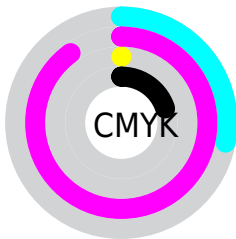
# Distribution



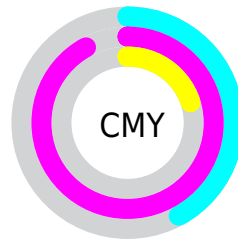
- Red (58%)
- Green (8%)
- Blue (80%)



- Red (58%)
- Yellow (8%)
- Blue (80%)



- Cyan (28%)
- Magenta (90%)
- Yellow (0%)
- Black (20%)



- Cyan (42%)
- Magenta (92%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 79.9490, 16.6280, 84.1480 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 79.9490, 16.6280, 84.1480 by changing the saturation by 10% instead.



79.9490, 16.6280,  
84.1480

79.9490, 16.6280,  
84.1480

255.0000, -0.0000,  
-0.0000

55.7590, 14.1070,  
80.2750

143.2060, 17.0420,  
76.6420

43.8960, 5.8110,  
65.4190

168.6120, 27.2220,  
68.3580

31.9620, -3.7230,  
50.9730

191.0170, 29.9750,  
57.0070

20.3270, -12.6610,  
36.7390

207.4530, 22.2750,  
42.3630

8.2080, -23.1120,  
22.3920

224.4760, 14.3000,  
27.1960

7.8200, -16.5080,  
12.8360

242.0860, 6.0500,

3.6650, -8.9420,

11.5060

7.8740

■ 0.0000, 0.0000,  
0.0000

■ 79.9490, 16.6280,  
84.1480

■ 79.9490, 16.6280,  
84.1480

■ 65.8280, 18.8270,  
93.8590

■ 93.4830, 14.7040,  
74.9600

■ 107.9030, 13.1010,  
65.4610

■ 121.4370, 11.1770,  
56.2730

■ 135.5580, 8.9780,  
46.5620

■ 149.3910, 7.6500,  
37.5860

■ 163.5120, 5.4510,  
27.8750

■ 177.0460, 3.5270,  
18.6870

■ 191.4660, 1.9240,  
9.1880

■ 205.0000, -0.0000,  
0.0000

# Harmonies

## Analogous

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



81.5580, -105.6420, 31.3020



79.9490, 16.6280, 84.1480



78.6210, 84.8970, 85.8970

# Triad

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



79.9490, 16.6280, 84.1480



88.8310, 62.9070, -11.2130



88.2750, -79.0860, -20.4780

# Complementary

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



79.9490, 16.6280, 84.1480



146.0510, -16.6280, -84.1480

# 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.



77.4110, -51.2510, -45.8670



79.9490, 16.6280, 84.1480



82.5650, 12.8450, -40.0750

# Square

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



79.9490, 16.6280, 84.1480



58.3050, 116.2200, 41.3400



68.0920, -31.9000, -60.6680



96.5970, -102.5190, 2.2250



# Rectangle

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



79.9490, 16.6280, 84.1480



75.9820, 108.1450, 72.0570



68.0920, -31.9000, -60.6680



85.1970, -70.4190, -28.8750

# Sweetspot

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



79.9490, 16.6280, 84.1480



208.2180, 6.4590, 31.6350



76.0220, -75.0140, 26.8900



100.0460, 3.5270, 18.6870



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.



79.9490, 16.6280, 84.1480



81.6940, 23.0410, 116.6170



93.1160, 61.5140, 85.6580



95.2330, 0.9620, 4.5940



53.3090, 15.2540, 76.0060



12.1060, 3.2980, 17.3300



# Inverse Universe

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



82.5140, 91.3670, 56.7350



85.2510, 126.6210, 78.6290



132.8840, -61.5140, -85.6580



95.3320, 4.9970, 3.0530



55.4480, 82.5650, 51.0530

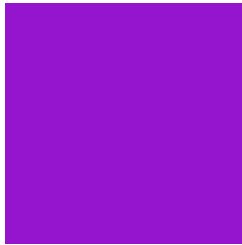


12.7300, 18.7960, 11.7880



# Previews

## White Background



This preview shows how the YIQ color 79.9490, 16.6280, 84.1480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

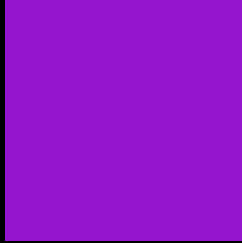
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 79.9490, 16.6280, 84.1480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

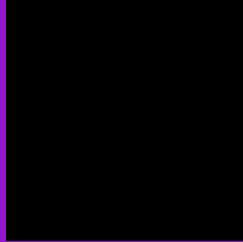
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 79.9490, 16.6280, 84.1480

## Background



This preview shows how black text looks on a background with the YIQ color 79.9490, 16.6280, 84.1480.



This preview shows how white text looks on a background with the YIQ color 79.9490, 16.6280,



# 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

79.9490, 16.6280, 84.1480

### Protanopia

76.1200, -87.5740, 12.2180

### Deuteranopia

76.7920, -81.1990, 1.3050



## Tritanopia

96.7370, 26.0860, 11.8300

# Trichromacy



## Original Color

79.9490, 16.6280, 84.1480



## Protanomaly

77.4600, -49.5240, 38.5080



## Deuteranomaly

77.9840, -45.4880, 31.4400



## Tritanomaly

90.8180, 22.5050, 38.1930

# Monochromacy



## Original Color

79.9490, 16.6280, 84.1480



## Achromatopsia

80.0000, 0.0000, -0.0000



## Achromatomaly

80.2780, 6.2300, 30.2780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 79.9490, 16.6280, 84.1480 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(148, 21, 205)` looks like.

```
.text, #text, p{  
    color:rgb(148, 21, 205)  
}
```

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(148, 21, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 21, 205) }
```

## Border

The CSS property to change the border of an element to YIQ 79.9490, 16.6280, 84.1480 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(148, 21, 205) }
```



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

```
.border{ border-color:rgb(148, 21, 205) }
```

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

Here you see how a box with a 4 pixel rgb(148, 21, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 21, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 21, 205);  
box-shadow:4px 4px 4px 4px rgb(148, 21,  
205) }
```

# Background

The CSS property to change the background color of an element to YIQ 79.9490, 16.6280, 84.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 21, 205) }
```

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

```
.background{ background-color: rgb(148, 21,  
205) }
```

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