

# Converting Colors

YIQ(99.6340, 22.1290, 89.0810)

Have a look what the booklet for  
YIQ(99.6340, 22.1290, 89.0810)  
contains.

<b>YIQ(99.6340, 22.1290, 89.0810)</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(99.6340, 22.1290,  
89.0810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B024E3
RGB	176, 36, 227
RGB Percent	69%, 14%, 89%
CMY	0.3093, 0.8590, 0.1099
CMYK	0.22, 0.84, 0.00, 0.11
HSL	284°, 77%, 52%
HSV	284°, 84%, 89%
XYZ	32.4227, 16.0470, 74.0505
YIQ	99.6340, 22.1290, 89.0810

# Conversions

## Conversions Part 2

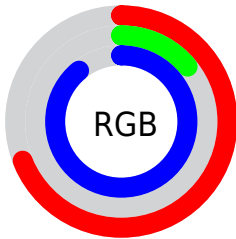
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 36, 227
Decimal	11543779
CIE Lab	47.04, 77.65, -67.20
CIE LCh	47, 102.692, 319.128
Yxy	16.0470, 0.2646, 0.1310
Android (android.graphics.Color)	4289733859 (0xFFB024E3)
YUV	99.6340, 62.7914, 66.9730
Hunter-Lab	40.0587, 74.3717, -81.5594

# Details

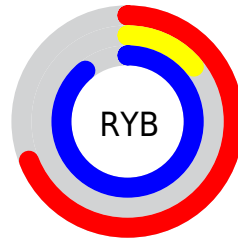
The YIQ color **99.6340, 22.1290, 89.0810** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **163.3660, -22.1290, -89.0810**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.5080, 30.7510, 75.9910**, and **54.3630, 15.1620, 77.6740** is the 20% darker color. If you saturate the color by 10%, you get **84.3390, 24.8780, 99.8380**, and if you desaturate by 10%, it is **114.9290, 19.3800, 78.3240**.

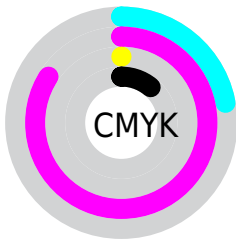
# Distribution



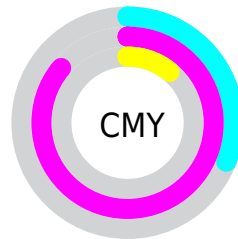
- Red (69%)
- Green (14%)
- Blue (89%)



- Red (69%)
- Yellow (14%)
- Blue (89%)



- Cyan (22%)
- Magenta (84%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (86%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.6340, 22.1290, 89.0810 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 99.6340, 22.1290, 89.0810 by changing the saturation by 10% instead.



99.6340, 22.1290,  
89.0810

99.6340, 22.1290,  
89.0810

255.0000, -0.0000,  
-0.0000

66.5250, 24.0540,  
92.7420

159.5080, 30.7510,  
75.9910

54.3630, 15.1620,  
77.6740

182.2120, 34.1000,  
64.8520

42.6140, 6.5450,  
63.1290

199.2350, 26.1250,  
49.6850

30.3810, -3.5850,  
48.4710

216.2580, 18.1500,  
34.5180

18.1480, -13.7150,  
33.8130

233.8680, 9.9000,  
18.8280

7.5240, -21.1860,  
20.5260

251.4780, 1.6500,

6.6630, -14.6280,

3.1380

11.8040

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 99.6340, 22.1290,  
89.0810

■ 99.6340, 22.1290,  
89.0810

■ 84.3390, 24.8780,  
99.8380

■ 114.9290, 19.3800,  
78.3240

■ 75.8110, 26.6650,  
106.0010

■ 129.6370, 16.9060,  
68.0900

■ 144.9320, 14.1570,  
57.3330

■ 160.2270, 11.4080,  
46.5760

■ 174.9350, 8.9340,  
36.3420

■ 190.2300, 6.1850,  
25.5850

■ 205.5250, 3.4360,  
14.8280

■ 220.8200, 0.6870,  
4.0710

■ 235.8270, -1.1910,  
-5.9510

# 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



99.6340, 22.1290, 89.0810



89.1160, 97.0450, 97.0210

# Triad

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



99.6340, 22.1290, 89.0810



105.3770, 69.8770, -16.3870



103.5660, -93.2070, -23.3750

# Complementary

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



99.6340, 22.1290, 89.0810



163.3660, -22.1290, -89.0810

# 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.



91.4310, -63.1710, -50.1070



99.6340, 22.1290, 89.0810



97.6050, 15.3680, -47.2560

# Square

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



99.6340, 22.1290, 89.0810



84.2650, 121.7240, 29.6920



79.8320, -37.4000, -71.1280



111.7570, -117.6490, 1.0950



# Rectangle

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



99.6340, 22.1290, 89.0810



85.9070, 121.8980, 81.6260



79.8320, -37.4000, -71.1280



99.5590, -83.3020, -32.1820

# Sweetspot

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



99.6340, 22.1290, 89.0810



212.3490, 7.4680, 29.8680



87.7110, -75.3360, 32.7280



101.8180, 4.1690, 18.0650



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.



99.6340, 22.1290, 89.0810



84.9830, 29.5970, 118.9490



109.7530, 66.9700, 85.8980



107.0590, 1.5120, 5.6400



59.5750, 20.6170, 83.4410



16.8770, 5.6810, 23.7050



# Inverse Universe

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



98.9230, 97.4650, 56.3530



83.9970, 130.1520, 75.2080



153.2470, -66.9700, -85.8980



106.9300, 6.1890, 3.4770



58.9930, 91.2760, 52.8760



16.8450, 25.9020, 15.1660



# Previews

## White Background



This preview shows how the YIQ color 99.6340, 22.1290, 89.0810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

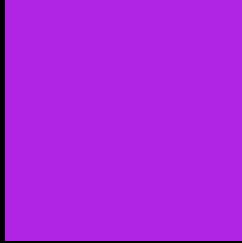
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 99.6340, 22.1290, 89.0810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

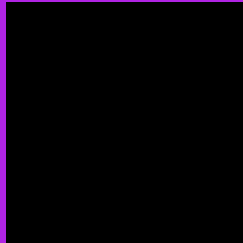
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 99.6340, 22.1290, 89.0810**

## **Background**



This preview shows how black text looks on a background with the YIQ color 99.6340, 22.1290, 89.0810.



This preview shows how white text looks on a background with the YIQ color 99.6340, 22.1290,



# 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

99.6340, 22.1290, 89.0810

### Protanopia

89.3880, -102.8880, 14.4240

### Deuteranopia

89.7180, -95.5500, 2.5780



## Tritanopia

112.9340, 35.8970, 15.7450

# Trichromacy



## Original Color

99.6340, 22.1290, 89.0810



## Protanomaly

93.2620, -57.5940, 41.5900



## Deuteranomaly

93.5580, -52.9160, 33.9000



## Tritanomaly

107.9440, 31.0780, 42.5180

# Monochromacy



## Original Color

99.6340, 22.1290, 89.0810



## Achromatopsia

100.0000, -0.0000, -0.0000



## Achromatomaly

100.1150, 8.2470, 32.2710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.6340, 22.1290, 89.0810 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(176, 36, 227)` looks like.

```
.text, #text, p{  
    color:rgb(176, 36, 227)  
}
```

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(176, 36, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 36, 227) }
```

## Border

The CSS property to change the border of an element to YIQ 99.6340, 22.1290, 89.0810 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(176, 36, 227) }
```



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

```
.border{ border-color:rgb(176, 36, 227) }
```

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

Here you see how a box with a 4 pixel rgb(176, 36, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 36, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 36, 227);  
box-shadow:4px 4px 4px 4px rgb(176, 36,  
227) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.6340, 22.1290, 89.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 36, 227) }
```

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

```
.background{ background-color: rgb(176, 36,  
227) }
```

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