

# Converting Colors

YIQ(149.9270, 49.2250, 93.6170)

Have a look what the booklet for  
YIQ(149.9270, 49.2250, 93.6170)  
contains.

<b>YIQ(149.9270, 49.2250, 93.6170)</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(149.9270, 49.2250,  
93.6170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4CFF
RGB	255, 76, 255
RGB Percent	100%, 30%, 100%
CMY	0.0000, 0.7022, 0.0000
CMYK	0.00, 0.70, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 70%, 100%
XYZ	61.8693, 33.6386, 97.8398
YIQ	149.9270, 49.2250, 93.6170

# Conversions

## Conversions Part 2

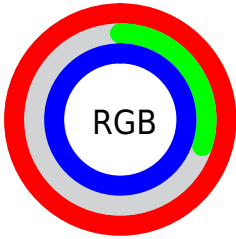
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 76, 255
Decimal	16731391
CIE Lab	64.67, 85.59, -53.90
CIE LCh	65, 101.150, 327.799
Yxy	33.6386, 0.3200, 0.1740
Android (android.graphics.Color)	4294921471 (0xFFFF4CFF)
YUV	149.9270, 51.8010, 92.1490
Hunter-Lab	57.9988, 88.9142, -59.4188

# Details

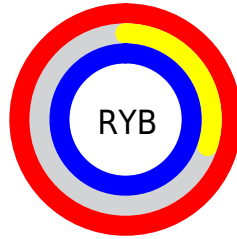
The YIQ color **149.9270, 49.2250, 93.6170** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **181.0730, -49.2250, -93.6170**, and the grayscale version is **149.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **186.9080, 31.9000, 60.6680**, and **80.4640, 52.3870, 102.3950** is the 20% darker color. If you saturate the color by 10%, you get **134.6650, 56.3750, 107.2150**, and if you desaturate by 10%, it is **164.6020, 42.3500, 80.5420**.

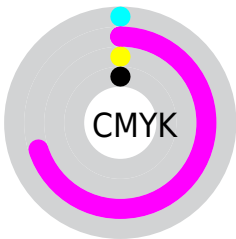
# Distribution



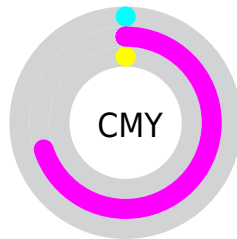
- Red (100%)
- Green (30%)
- Blue (100%)



- Red (100%)
- Yellow (30%)
- Blue (100%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.9270, 49.2250, 93.6170 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 149.9270, 49.2250, 93.6170 by changing the saturation by 10% instead.





 149.9270, 49.2250,  
93.6170


 149.9270, 49.2250,  
93.6170


255.0000, -0.0000,  
-0.0000


 113.2850, 51.3330,  
99.4690


 186.9080, 31.9000,  
60.6680


 80.4640, 52.3870,  
102.3950


 205.1050, 23.3750,  
44.4550


 68.4160, 43.1740,  
87.6380

 222.7150, 15.1250,  
28.7650

 56.6670, 34.5570,  
73.0930

 240.3250, 6.8750,  
13.0750

 44.9180, 25.9400,  
58.5480

 33.3970, 16.6810,  
44.6250

 22.2890, 7.6970,

31.2250

■ 8.7890, -6.0550,  
16.1290

■ 2.9810, -7.0160,  
6.0080

■ 149.9270, 49.2250,  
93.6170

■ 149.9270, 49.2250,  
93.6170

■ 134.6650, 56.3750,  
107.2150

■ 164.6020, 42.3500,  
80.5420

■ 119.9900, 63.2500,  
120.2900

■ 179.8640, 35.2000,  
66.9440

■ 105.3150, 70.1250,  
133.3650

■ 194.5390, 28.3250,  
53.8690

■ 209.8010, 21.1750,  
40.2710

■ 224.4760, 14.3000,  
27.1960

■ 239.7380, 7.1500,  
13.5980

254.4130, 0.2750,  
0.5230

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



145.0810, -47.1390, 33.8290



149.9270, 49.2250, 93.6170



95.3970, 98.0520, 106.3080

# Triad

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



149.9270, 49.2250, 93.6170



147.2410, 75.2910, -37.4210



141.2380, -130.3900, -26.8220

# Complementary

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



149.9270, 49.2250, 93.6170



181.0730, -49.2250, -93.6170

# 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.



130.0490, -100.2620, -55.2220



149.9270, 49.2250, 93.6170



135.0060, 14.7760, -69.5760

# Square

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



149.9270, 49.2250, 93.6170



140.8150, 121.7300, -3.4700



115.7140, -66.7870, -83.7070



140.0130, -133.8300, -19.5420



# Rectangle

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



149.9270, 49.2250, 93.6170



88.5570, 117.3120, 87.6480



115.7140, -66.7870, -83.7070



137.8180, -120.7600, -36.1520

# Sweetspot

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



149.9270, 49.2250, 93.6170



223.3020, 14.8500, 28.2420



96.4060, -57.4590, 55.6690



109.2160, 8.8000, 16.7360



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.



149.9270, 49.2250, 93.6170



129.3820, 58.8500, 111.9220



139.6670, 78.1150, 65.6270



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720



# Inverse Universe

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



149.9270, 49.2250, 93.6170



129.3820, 58.8500, 111.9220



191.2190, -77.7940, -65.9380



120.3690, 3.5750, 6.7990



78.8830, 52.5250, 99.8930



26.4320, 17.6000, 33.4720



# Previews

## White Background



This preview shows how the YIQ color 149.9270, 49.2250, 93.6170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

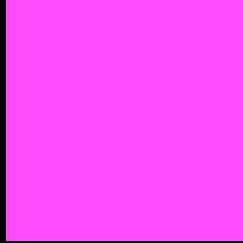
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 149.9270, 49.2250, 93.6170 looks on a black 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 ✓ Pass

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

# YIQ 149.9270, 49.2250, 93.6170

## Background



This preview shows how black text looks on a background with the YIQ color 149.9270, 49.2250, 93.6170.



This preview shows how white text looks on a background with the YIQ color 149.9270, 49.2250,

93.6170.

# 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

149.9270, 49.2250, 93.6170

### Protanopia

153.8530, -55.6650, 23.1430

### Deuteranopia

153.5340, -53.5090, 17.1070



## Tritanopia

156.0910, 69.5480, 28.1400

# Trichromacy



## Original Color

149.9270, 49.2250, 93.6170



## Protanomaly

152.6660, -17.5690, 48.5990



## Deuteranomaly

152.6290, -16.1470, 44.8530

## Tritanomaly

153.5520, 61.8410, 52.1850

# Monochromacy



## Original Color

149.9270, 49.2250, 93.6170



## Achromatopsia

150.0000, -0.0000, -0.0000



## Achromatomaly

149.8450, 17.8750, 33.9950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.9270, 49.2250, 93.6170 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(255, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 255)  
}
```

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(255, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 149.9270, 49.2250, 93.6170 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(255, 76, 255) }
```



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

```
.border{ border-color:rgb(255, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.9270, 49.2250, 93.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 255) }
```

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

```
.background{ background-color: rgb(255, 76,  
255) }
```

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