

# Converting Colors

YIQ(166.7800, 69.2260, 33.9780)

Have a look what the booklet for  
YIQ(166.7800, 69.2260, 33.9780)  
contains.

<b>YIQ(166.7800, 69.2260, 33.9780)</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(166.7800, 69.2260,  
33.9780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE7E94
RGB	254, 126, 148
RGB Percent	100%, 49%, 58%
CMY	0.0036, 0.5061, 0.4193
CMYK	0.00, 0.50, 0.42, 0.00
HSL	350°, 99%, 75%
HSV	350°, 50%, 100%
XYZ	53.7072, 38.1343, 32.5742
YIQ	166.7800, 69.2260, 33.9780

# Conversions

## Conversions Part 2

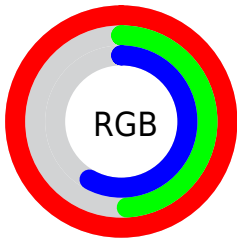
Format	Color
R <sub>Y</sub> B	254, 126, 148
Decimal	16678548
CIE Lab	68.12, 50.78, 11.27
CIE LCh	68, 52.018, 12.514
Yxy	38.1343, 0.4317, 0.3065
Android (android.graphics.Color)	4294868628 (0xFFFE7E94)
YUV	166.7800, -9.2585, 76.4919
Hunter-Lab	61.7530, 47.1757, 11.9521

# Details

The YIQ color **166.7800, 69.2260, 33.9780** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **213.2200, -69.2260, -33.9780**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **206.1070, 37.0880, 21.6960**, and **111.1430, 63.7700, 33.7380** is the 20% darker color. If you saturate the color by 10%, you get **149.7110, 82.8420, 40.5220**, and if you desaturate by 10%, it is **183.8490, 55.6100, 27.4340**.

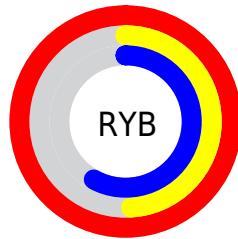
# Distribution



Red (100%)

Green (49%)

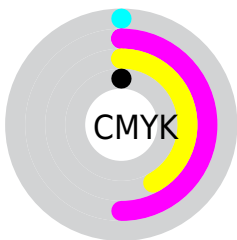
Blue (58%)



Red (100%)

Yellow (49%)

Blue (58%)

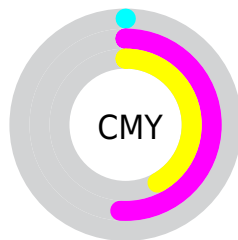


Cyan (0%)

Magenta (50%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (51%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.7800, 69.2260, 33.9780 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 166.7800, 69.2260, 33.9780 by changing the saturation by 10% instead.




 166.7800, 69.2260,  
33.9780


 166.7800, 69.2260,  
33.9780


255.0000, -0.0000,  
-0.0000


 138.9970, 67.1170,  
33.6530


 205.5200, 37.3630,  
22.2190


 111.4420, 64.3660,  
33.9500


 225.7350, 20.4000,  
15.7600

 83.3000, 61.8900,  
34.7700

 245.6080, 4.4000,  
8.3680

 49.8150, 62.1180,  
41.6540

 35.2280, 53.2250,  
32.1130

 24.0060, 44.5620,  
18.4020

 15.7760, 30.3500,

11.6460

■ 0.0000, 0.0000,  
0.0000

■ 166.7800, 69.2260,  
33.9780

■ 166.7800, 69.2260,  
33.9780

■ 149.7110, 82.8420,  
40.5220

■ 183.8490, 55.6100,  
27.4340

■ 132.0550, 96.7330,  
47.5890

■ 201.5050, 41.7190,  
20.3670

■ 114.9860,  
110.3490, 54.1330

■ 218.5740, 28.1030,  
13.8230

■ 97.3300, 124.2400,  
61.2000

■ 236.2300, 14.2120,  
6.7560

■ 80.9620, 137.2600,  
67.5320

■ 253.2990, 0.5960,  
0.2120

254.7010, -0.5960,  
-0.2120

# Harmonies

## Analogous

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



169.7020, 43.5030, 43.1110



166.7800, 69.2260, 33.9780



165.0570, 74.9150, 13.4670

# Triad

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



166.7800, 69.2260, 33.9780



153.7400, -6.6410, -39.3530



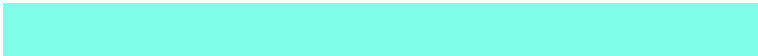
134.1430, -131.0800, -14.3120

# Complementary

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



166.7800, 69.2260, 33.9780



213.2200, -69.2260, -33.9780

# 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.



135.7610, -124.6130, -26.8930



166.7800, 69.2260, 33.9780



138.1190, -70.9200, -47.3360

# Square

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



166.7800, 69.2260, 33.9780



159.7960, 34.4840, -30.2520



132.6200, -111.6350, -41.8350



161.5170, -54.8390, 19.1850



# Rectangle

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



166.7800, 69.2260, 33.9780



164.2110, 67.9490, -3.4670



132.6200, -111.6350, -41.8350



135.2200, -129.9790, -17.7470

# Sweetspot

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



166.7800, 69.2260, 33.9780



229.0460, 20.7220, 9.9220



171.9870, 21.4920, 62.0680



112.3330, 12.4240, 6.1200



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.



166.7800, 69.2260, 33.9780



148.7220, 84.3090, 41.4690



188.3390, 65.0130, 5.6930



119.1150, 7.1060, 3.3780



60.8710, 103.2430, 50.7550



20.3900, 34.6130, 16.9890



# Inverse Universe

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



166.7800, 69.2260, 33.9780



148.7220, 84.3090, 41.4690



192.2480, -65.2880, -6.2160



119.1150, 7.1060, 3.3780



60.8710, 103.2430, 50.7550



20.3900, 34.6130, 16.9890



# Previews

## White Background



This preview shows how the YIQ color 166.7800, 69.2260, 33.9780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

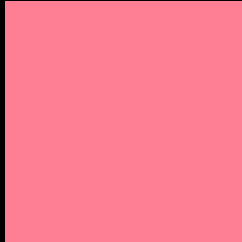
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.7800, 69.2260, 33.9780 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 166.7800, 69.2260, 33.9780

## Background



This preview shows how black text looks on a background with the YIQ color 166.7800, 69.2260, 33.9780.



This preview shows how white text looks on a background with the YIQ color 166.7800, 69.2260,

33.9780.

# 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

166.7800, 69.2260, 33.9780

### Protanopia

167.0540, -0.0920, 1.6680

### Deuteranopia

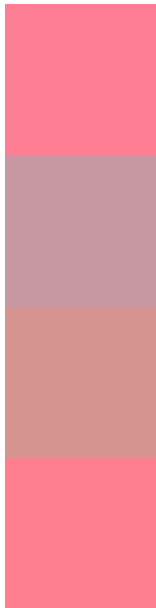
167.2170, 24.2540, 0.9740



## Tritanopia

166.4010, 71.6110, 29.2990

# Trichromacy



## Original Color

166.7800, 69.2260, 33.9780

## Protanomaly

166.6060, 25.0770, 13.5970

## Deuteranomaly

167.2780, 40.6200, 12.7480

## Tritanomaly

166.2700, 70.6020, 31.0660

# Monochromacy



## Original Color

166.7800, 69.2260, 33.9780

## Achromatopsia

167.0000, -0.0000, -0.0000

## Achromatomaly

166.9650, 25.4440, 12.4520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.7800, 69.2260, 33.9780 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(254, 126, 148)` looks like.

```
.text, #text, p{  
    color:rgb(254, 126, 148)  
}
```

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(254, 126, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 126, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 166.7800, 69.2260, 33.9780 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(254, 126, 148) }
```



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

```
.border{ border-color:rgb(254, 126, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 126, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 126, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 126, 148);  
box-shadow:4px 4px 4px 4px rgb(254, 126,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.7800, 69.2260, 33.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 126, 148) }
```

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

```
.background{ background-color: rgb(254,  
126, 148) }
```

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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