

# Converting Colors

YIQ(89.9840, 105.8040, 86.9560)

Have a look what the booklet for  
YIQ(89.9840, 105.8040, 86.9560)  
contains.

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# Color

**YIQ(89.9840, 105.8040,  
86.9560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F50579
RGB	245, 5, 121
RGB Percent	96%, 2%, 47%
CMY	0.0386, 0.9805, 0.5252
CMYK	0.00, 0.98, 0.51, 0.04
HSL	331°, 96%, 49%
HSV	331°, 98%, 96%
XYZ	41.2230, 20.9309, 19.9836
YIQ	89.9840, 105.8040, 86.9560

# Conversions

## Conversions Part 2

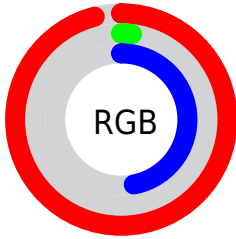
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 5, 121
Decimal	16057721
CIE <sub>Lab</sub>	52.87, 81.61, 5.09
CIE <sub>LCh</sub>	53, 81.764, 3.569
Yxy	20.9309, 0.5019, 0.2548
Android (android.graphics.Color)	4294247801 (0xFF50579)
YUV	89.9840, 15.2909, 135.9490
Hunter-Lab	45.7503, 80.7732, 6.1275

# Details

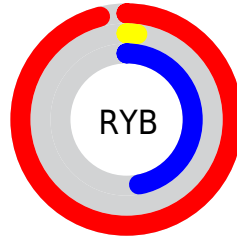
The YIQ color **89.9840, 105.8040, 86.9560** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **160.0160, -105.8040, -86.9560**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **153.4930, 69.4970, 56.6090**, and **62.7400, 85.0390, 61.2870** is the 20% darker color. If you saturate the color by 10%, you get **86.8210, 107.8210, 88.9490**, and if you desaturate by 10%, it is **105.5540, 95.0310, 78.4470**.

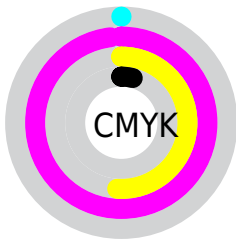
# Distribution



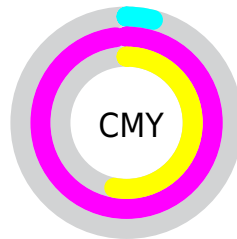
- Red (96%)
- Green (2%)
- Blue (47%)



- Red (96%)
- Yellow (2%)
- Blue (47%)



- Cyan (0%)
- Magenta (98%)
- Yellow (51%)
- Black (4%)




- Cyan (4%)
- Magenta (98%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.9840, 105.8040, 86.9560 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 89.9840, 105.8040, 86.9560 by changing the saturation by 10% instead.





 89.9840, 105.8040,  
86.9560


 89.9840, 105.8040,  
86.9560


255.0000, -0.0000,  
-0.0000


 74.7450, 95.8110,  
75.3230


 153.4930, 69.4970,  
56.6090


 62.7400, 85.0390,  
61.2870


 175.3550, 52.0300,  
48.2700

 50.6640, 73.0290,  
47.6610

 196.1570, 34.7920,  
41.2880

 39.1150, 60.9730,  
34.8690

 217.4320, 17.6000,  
33.4720

 27.3660, 52.3560,  
20.3240

 235.0420, 9.3500,  
17.7820

 17.5700, 33.9260,  
12.9180

 253.2390, 0.8250,

 5.3820, 10.7280,

1.5690

3.8160

■ 0.0000, 0.0000,  
0.0000

■ 89.9840, 105.8040,  
86.9560

■ 89.9840, 105.8040,  
86.9560

■ 86.8210, 107.8210,  
88.9490

■ 105.5540, 95.0310,  
78.4470

■ 121.5970, 84.3040,  
69.1040

■ 137.7540, 73.2560,  
60.0720

■ 153.3240, 62.4830,  
51.5630

■ 169.3670, 51.7560,  
42.2200

■ 184.9370, 40.9830,  
33.7110

■ 201.0940, 29.9350,  
24.6790

■ 216.5500, 19.4830,  
15.8590

■ 232.7070, 8.4350,  
6.8270

# Harmonies

## Analogous

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



119.1050, 50.8790, 74.6470



89.9840, 105.8040, 86.9560



108.6030, 109.3890, 38.4850

# Triad

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



89.9840, 105.8040, 86.9560



105.1700, 2.9910, -59.7370



116.3050, -122.1880, 0.7560

# Complementary

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



89.9840, 105.8040, 86.9560



160.0160, -105.8040, -86.9560

# 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.



114.1270, -107.7880, -17.9320



89.9840, 105.8040, 86.9560



95.8360, -60.4180, -61.4580

# Square

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



89.9840, 105.8040, 86.9560



117.6160, 52.3660, -34.9460



106.1470, -85.3180, -39.7020



107.1410, -118.4300, 9.7460



# Rectangle

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



89.9840, 105.8040, 86.9560



114.4790, 105.3610, 1.3370



106.1470, -85.3180, -39.7020



116.5840, -118.8400, -4.8560

# Sweetspot

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



89.9840, 105.8040, 86.9560



207.2300, 32.5480, 26.8840



68.2400, -5.5200, 100.0800



98.8490, 20.0790, 16.0710



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.



89.9840, 105.8040, 86.9560



90.2670, 112.4970, 92.3130



76.7600, 143.0400, 50.8800



114.2720, 5.2260, 4.4100



65.8740, 81.9660, 67.4220



20.8330, 26.1760, 21.2160



# Inverse Universe

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



89.9840, 105.8040, 86.9560



90.2670, 112.4970, 92.3130



173.2400, -143.0400, -50.8800



114.2720, 5.2260, 4.4100



65.8740, 81.9660, 67.4220



20.8330, 26.1760, 21.2160



# Previews

## White Background



This preview shows how the YIQ color 89.9840, 105.8040, 86.9560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

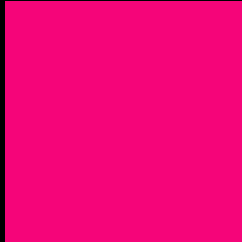
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 89.9840, 105.8040, 86.9560 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 × Fail

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

# YIQ 89.9840, 105.8040, 86.9560

## Background



This preview shows how black text looks on a background with the YIQ color 89.9840, 105.8040, 86.9560.



This preview shows how white text looks on a background with the YIQ color 89.9840, 105.8040,



# 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

89.9840, 105.8040, 86.9560

### Protanopia

127.6990, -23.4770, 12.4830

### Deuteranopia

128.5090, 17.5600, 1.1440



## Tritanopia

106.0060, 115.6240, 41.1280

# Trichromacy



## Original Color

89.9840, 105.8040, 86.9560



## Protanomaly

113.9430, 23.6510, 39.4510



## Deuteranomaly

114.4880, 49.5570, 32.5090



## Tritanomaly

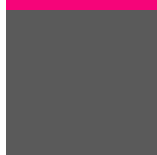
99.9910, 111.9530, 58.1050

# Monochromacy



## Original Color

89.9840, 105.8040, 86.9560



## Achromatopsia

90.0000, -0.0000, -0.0000



## Achromatomaly

89.8010, 38.3700, 31.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.9840, 105.8040, 86.9560 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(245, 5, 121)` looks like.

```
.text, #text, p{  
    color:rgb(245, 5, 121)  
}
```

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(245, 5, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 5, 121) }
```

## Border

The CSS property to change the border of an element to YIQ 89.9840, 105.8040, 86.9560 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(245, 5, 121) }
```



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

```
.border{ border-color:rgb(245, 5, 121) }
```

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

Here you see how a box with a 4 pixel rgb(245, 5, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 5, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 5, 121);  
box-shadow:4px 4px 4px 4px rgb(245, 5,  
121) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.9840, 105.8040, 86.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 5, 121) }
```

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

```
.background{ background-color: rgb(245, 5,  
121) }
```

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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