

# Converting Colors

YIQ(97.6060, 89.2530, 84.0450)

Have a look what the booklet for  
YIQ(97.6060, 89.2530, 84.0450)  
contains.

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# Color

**YIQ(97.6060, 89.2530,  
84.0450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB138E
RGB	235, 19, 142
RGB Percent	92%, 7%, 56%
CMY	0.0778, 0.9257, 0.4429
CMYK	0.00, 0.92, 0.40, 0.08
HSL	326°, 85%, 50%
HSV	326°, 92%, 92%
XYZ	39.4295, 20.1055, 27.4198
YIQ	97.6060, 89.2530, 84.0450

# Conversions

## Conversions Part 2

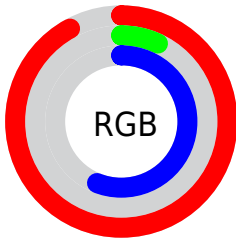
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 19, 142
Decimal	15405966
CIE Lab	51.96, 79.99, -9.13
CIE LCh	52, 80.509, 353.487
Yxy	20.1055, 0.4534, 0.2312
Android (android.graphics.Color)	4293596046 (0xFFEB138E)
YUV	97.6060, 21.8862, 120.4945
Hunter-Lab	44.8391, 78.4963, -4.8693

# Details

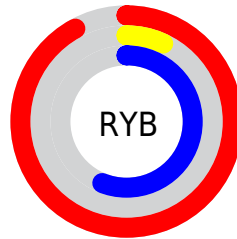
The YIQ color **97.6060, 89.2530, 84.0450** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **156.3940, -89.2530, -84.0450**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.2890, 61.5640, 62.7160**, and **62.2150, 73.5760, 65.2880** is the 20% darker color. If you saturate the color by 10%, you get **85.5410, 97.0460, 91.4940**, and if you desaturate by 10%, it is **112.2470, 79.7180, 75.1260**.

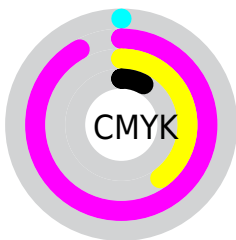
# Distribution



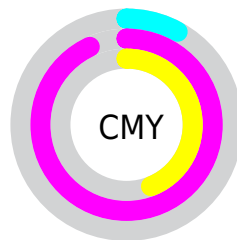
- Red (92%)
- Green (7%)
- Blue (56%)



- Red (92%)
- Yellow (7%)
- Blue (56%)



- Cyan (0%)
- Magenta (92%)
- Yellow (40%)
- Black (8%)



- Cyan (8%)
- Magenta (93%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.6060, 89.2530, 84.0450 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 97.6060, 89.2530, 84.0450 by changing the saturation by 10% instead.



97.6060, 89.2530,  
84.0450

97.6060, 89.2530,  
84.0450

255.0000, -0.0000,  
-0.0000

74.3340, 84.0270,  
79.6350

157.2890, 61.5640,  
62.7160

62.2150, 73.5760,  
65.2880

178.6780, 44.0510,  
55.2110

50.5090, 63.4000,  
51.4640

200.0670, 26.5380,  
47.7060

39.0310, 52.5820,  
38.2620

218.0190, 17.3250,  
32.9490

28.0800, 41.7180,  
25.8940

235.6290, 9.0750,  
17.2590

16.3740, 31.5420,  
12.0700

253.8260, 0.5500,

1.7940, 3.5760,

1.0460

1.2720

■ 0.0000, 0.0000,  
0.0000

■ 97.6060, 89.2530,  
84.0450

■ 97.6060, 89.2530,  
84.0450

■ 85.5410, 97.0460,  
91.4940

■ 112.2470, 79.7180,  
75.1260

■ 127.4750, 69.9080,  
65.6840

■ 142.1160, 60.3730,  
56.7650

■ 157.4580, 50.2420,  
47.6340

■ 172.6860, 40.4320,  
38.1920

■ 187.3270, 30.8970,  
29.2730

■ 202.5550, 21.0870,  
19.8310

■ 217.1960, 11.5520,  
10.9120

■ 232.4240, 1.7420,  
1.4700

# Harmonies

## Analogous

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



122.6720, 26.9930, 67.0010



97.6060, 89.2530, 84.0450



100.4420, 109.0650, 55.3770

# Triad

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



97.6060, 89.2530, 84.0450



109.1340, 21.0080, -50.3520



114.2530, -116.4100, -4.8420

# Complementary

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



97.6060, 89.2530, 84.0450



156.3940, -89.2530, -84.0450

# 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.



109.9890, -98.8920, -24.9720



97.6060, 89.2530, 84.0450



89.4810, -49.4130, -68.1730

# Square

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



97.6060, 89.2530, 84.0450



116.8290, 65.2480, -26.1120



101.3080, -75.8260, -46.5300



109.4890, -119.5300, 7.6540



# Rectangle

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



97.6060, 89.2530, 84.0450



110.5570, 105.8620, 19.7980



101.3080, -75.8260, -46.5300



113.4890, -111.5030, -11.1750

# Sweetspot

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



97.6060, 89.2530, 84.0450



209.7890, 29.4760, 27.4920



70.5340, -15.6960, 86.2560



100.0060, 18.1990, 17.1030



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.



97.6060, 89.2530, 84.0450



92.7750, 105.4350, 99.1550



85.6360, 122.9580, 51.3900



109.9730, 4.6300, 4.1980



65.8610, 74.8130, 70.4050



19.5660, 22.5540, 20.7780



# Inverse Universe

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



97.6060, 89.2530, 84.0450



92.7750, 105.4350, 99.1550



168.3640, -122.9580, -51.3900



109.9730, 4.6300, 4.1980



65.8610, 74.8130, 70.4050



19.5660, 22.5540, 20.7780



# Previews

## White Background



This preview shows how the YIQ color 97.6060, 89.2530, 84.0450 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 97.6060, 89.2530, 84.0450 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 97.6060, 89.2530, 84.0450

## Background



This preview shows how black text looks on a background with the YIQ color 97.6060, 89.2530, 84.0450.



This preview shows how white text looks on a background with the YIQ color 97.6060, 89.2530,



# 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

97.6060, 89.2530, 84.0450

### Protanopia

122.7480, -42.3680, 18.9440

### Deuteranopia

126.1410, 4.2170, 6.1770



## Tritanopia

109.6560, 101.8700, 37.0860

# Trichromacy



## Original Color

97.6060, 89.2530, 84.0450



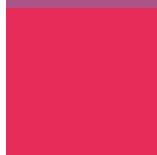
## Protanomaly

113.7700, 5.2650, 42.2650



## Deuteranomaly

115.9410, 35.1600, 34.6160



## Tritanomaly

105.4560, 97.2820, 54.1620

# Monochromacy



## Original Color

97.6060, 89.2530, 84.0450



## Achromatopsia

98.0000, -0.0000, -0.0000



## Achromatomaly

97.7510, 32.6390, 30.7430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.6060, 89.2530, 84.0450 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(235, 19, 142)` looks like.

```
.text, #text, p{  
    color:rgb(235, 19, 142)  
}
```

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(235, 19, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 19, 142) }
```

## Border

The CSS property to change the border of an element to YIQ 97.6060, 89.2530, 84.0450 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(235, 19, 142) }
```



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

```
.border{ border-color:rgb(235, 19, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 19, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 19, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 19, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 19,  
142) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.6060, 89.2530, 84.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 19, 142) }
```

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

```
.background{ background-color: rgb(235, 19,  
142) }
```

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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