

# Converting Colors

YIQ(87.9600, 15.8130, 27.3090)

Have a look what the booklet for  
YIQ(87.9600, 15.8130, 27.3090)  
contains.

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# Color

**YIQ(87.9600, 15.8130,  
27.3090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	784275
RGB	120, 66, 117
RGB Percent	47%, 26%, 46%
CMY	0.5292, 0.7413, 0.5412
CMYK	0.00, 0.45, 0.03, 0.53
HSL	303°, 29%, 36%
HSV	303°, 45%, 47%
XYZ	12.9095, 9.1743, 17.9219
YIQ	87.9600, 15.8130, 27.3090

# Conversions

## Conversions Part 2

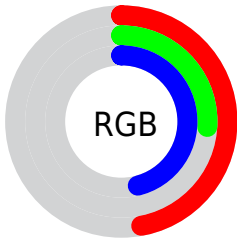
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 66, 117
Decimal	7881333
CIE <sub>Lab</sub>	36.32, 31.51, -19.40
CIE <sub>LCh</sub>	36, 37.004, 328.374
Yxy	9.1743, 0.3227, 0.2293
Android (android.graphics.Color)	4286071413 (0xFF784275)
YUV	87.9600, 14.3167, 28.0991
Hunter-Lab	30.2891, 23.0727, -13.8792

# Details

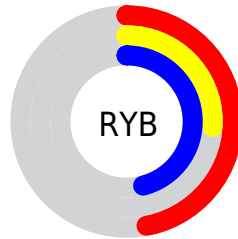
The YIQ color **87.9600, 15.8130, 27.3090** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **98.0400, -15.8130, -27.3090**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.0850, 16.9590, 28.5670**, and **39.3620, 14.6210, 26.8850** is the 20% darker color. If you saturate the color by 10%, you get **80.8020, 19.4340, 33.2740**, and if you desaturate by 10%, it is **95.1180, 12.1920, 21.3440**.

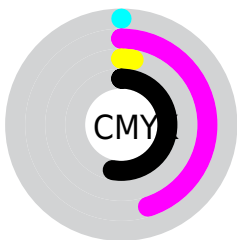
# Distribution



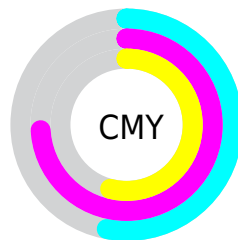
- Red (47%)
- Green (26%)
- Blue (46%)



- Red (47%)
- Yellow (26%)
- Blue (46%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (53%)



- Cyan (53%)
- Magenta (74%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.9600, 15.8130, 27.3090 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 87.9600, 15.8130, 27.3090 by changing the saturation by 10% instead.



87.9600, 15.8130,  
27.3090

87.9600, 15.8130,  
27.3090

255.0000, -0.0000,  
-0.0000

63.2480, 14.9420,  
26.5740

139.3840, 17.5550,  
28.7790

39.3620, 14.6210,  
26.8850

165.9110, 17.5090,  
29.6130

18.9980, 12.6500,  
24.0580

193.6230, 18.3800,  
30.3480

9.4280, 5.0870,  
12.4390

220.1390, 16.8670,  
30.2350

0.0000, 0.0000,  
0.0000

236.8030, 8.5250,  
16.2130

253.8260, 0.5500,

1.0460

■ 87.9600, 15.8130,  
27.3090

■ 87.9600, 15.8130,  
27.3090

■ 80.8020, 19.4340,  
33.2740

■ 95.1180, 12.1920,  
21.3440

■ 73.7580, 22.7340,  
39.5500

■ 102.1620, 8.8920,  
15.0680

■ 66.6000, 26.3550,  
45.5150

■ 109.3200, 5.2710,  
9.1030

■ 59.4420, 29.9760,  
51.4800

■ 116.4780, 1.6500,  
3.1380

■ 52.3980, 33.2760,  
57.7560

■ 123.5220, -1.6500,  
-3.1380

■ 48.7620, 35.2470,  
60.5830

■ 130.6800, -5.2710,  
-9.1030

■ 137.8380, -8.8920,  
-15.0680

■ 144.8820,  
-12.1920, -21.3440

■ 152.0400,  
-15.8130, -27.3090

# Harmonies

## Analogous

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



86.3350, -16.2800, 19.7200



87.9600, 15.8130, 27.3090



85.9270, 37.7750, 25.7670

# Triad

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



87.9600, 15.8130, 27.3090



82.0260, 31.5010, -14.7310



71.5820, -63.7730, -17.1570

# Complementary

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



87.9600, 15.8130, 27.3090



98.0400, -15.8130, -27.3090

# 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.



68.1620, -54.1430, -26.4870



87.9600, 15.8130, 27.3090



79.2510, 8.5780, -23.3100

# Square

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



87.9600, 15.8130, 27.3090



83.9280, 44.0610, -0.0590



72.5490, -24.6160, -27.4640



71.8560, -70.0560, -7.9120



# Rectangle

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



87.9600, 15.8130, 27.3090



84.2450, 45.3870, 19.9710



72.5490, -24.6160, -27.4640



70.4420, -60.5630, -20.2670

# Sweetspot

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



87.9600, 15.8130, 27.3090



142.8580, 6.6920, 10.8840



73.0530, -15.5460, 17.4300



71.2550, 3.8960, 6.4880



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9600, 15.8130, 27.3090



106.1220, 24.7050, 42.3770



84.8820, 24.4800, 18.9120



57.4780, 1.6500, 3.1380



50.8270, 36.6220, 63.1980



102.4800, 73.7940, 127.4420



# Inverse Universe

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



87.9600, 15.8130, 27.3090



106.1220, 24.7050, 42.3770



101.1180, -24.4800, -18.9120



57.4780, 1.6500, 3.1380



50.8270, 36.6220, 63.1980

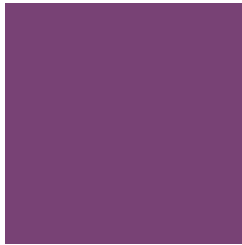


102.4800, 73.7940, 127.4420



# Previews

## White Background



This preview shows how the YIQ color 87.9600, 15.8130, 27.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

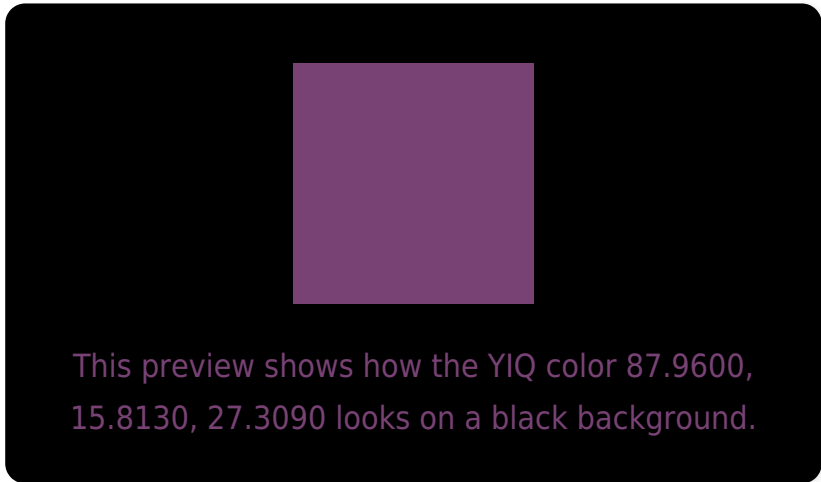
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

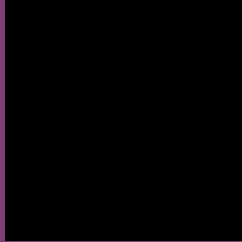
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 87.9600, 15.8130, 27.3090

## Background



This preview shows how black text looks on a background with the YIQ color 87.9600, 15.8130, 27.3090.



This preview shows how white text looks on a background with the YIQ color 87.9600, 15.8130,



# 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

87.9600, 15.8130, 27.3090

### Protanopia

84.9870, -24.3480, 11.7480

### Deuteranopia

86.5120, -12.8850, 7.7470



## Tritanopia

86.9430, 22.5100, 10.5580

# Trichromacy



## Original Color

87.9600, 15.8130, 27.3090

## Protanomaly

85.9890, -9.4940, 17.8820

## Deuteranomaly

87.0020, -2.3410, 14.8990

## Tritanomaly

87.2620, 20.3540, 16.5940

# Monochromacy



## Original Color

87.9600, 15.8130, 27.3090

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

88.1460, 5.8210, 10.1490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.9600, 15.8130, 27.3090 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(120, 66, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 66, 117)  
}
```

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(120, 66, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 66, 117) }
```

## Border

The CSS property to change the border of an element to YIQ 87.9600, 15.8130, 27.3090 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(120, 66, 117) }
```



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

```
.border{ border-color:rgb(120, 66, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 66, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 66, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 66, 117);  
box-shadow:4px 4px 4px 4px rgb(120, 66,  
117) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.9600, 15.8130, 27.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 66, 117) }
```

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

```
.background{ background-color: rgb(120, 66,  
117) }
```

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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