

Converting Colors

YIQ(87.8830, 113.2780, 83.6620)

Have a look what the booklet for
YIQ(87.8830, 113.2780, 83.6620)
contains.

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Color

**YIQ(87.8830, 113.2780,
83.6620)**

Conversions

Conversions Part 1

Format	Color
Hex	F80369
RGB	248, 3, 105
RGB Percent	97%, 1%, 41%
CMY	0.0268, 0.9884, 0.5879
CMYK	0.00, 0.99, 0.58, 0.03
HSL	335°, 98%, 49%
HSV	335°, 99%, 97%
XYZ	41.3560, 21.0714, 15.2776
YIQ	87.8830, 113.2780, 83.6620

Conversions

Conversions Part 2

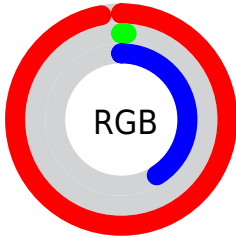
Format	Color
RYB	248, 3, 105
Decimal	16253801
CIELab	53.03, 81.35, 15.09
CIELCh	53, 82.736, 10.506
Yxy	21.0714, 0.5322, 0.2712
Android (android.graphics.Color)	4294443881 (0xFFFF80369)
YUV	87.8830, 8.4387, 140.4226
Hunter-Lab	45.9036, 80.4852, 12.3997

Details

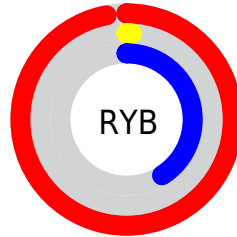
The YIQ color **87.8830, 113.2780, 83.6620** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **163.1170, -113.2780, -83.6620**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.5550, 74.9540, 51.3220**, and **61.7420, 90.7250, 57.3570** is the 20% darker color. If you saturate the color by 10%, you get **85.8940, 114.7450, 84.6090**, and if you desaturate by 10%, it is **104.2680, 101.5880, 75.2520**.

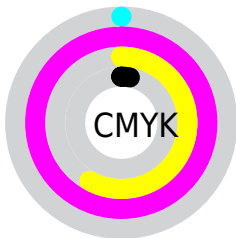
Distribution



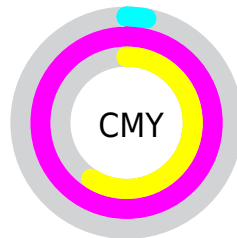
- Red (97%)
- Green (1%)
- Blue (41%)



- Red (97%)
- Yellow (1%)
- Blue (41%)



- Cyan (0%)
- Magenta (99%)
- Yellow (58%)
- Black (3%)





- Cyan (3%)
- Magenta (99%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.8830, 113.2780, 83.6620 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 87.8830, 113.2780, 83.6620 by changing the saturation by 10% instead.


 87.8830, 113.2780,
83.6620


 87.8830, 113.2780,
83.6620


255.0000, -0.0000,
-0.0000


 73.8180, 102.7350,
70.9830


 151.5550, 74.9540,
51.3220


 61.7420, 90.7250,
57.3570


 173.4170, 57.4870,
42.9830

 49.7800, 78.3940,
44.0420


 194.1050, 40.5700,
35.6900

 38.2310, 66.3380,
31.2500

 215.4940, 23.0570,
28.1850

 27.3660, 52.3560,
20.3240

 235.0420, 9.3500,
17.7820

 17.5700, 33.9260,
12.9180

 253.2390, 0.8250,

 5.6810, 11.3240,

1.5690

4.0280

■ 0.0000, 0.0000,
0.0000

■ 87.8830, 113.2780,
83.6620

■ 87.8830, 113.2780,
83.6620

■ 85.8940, 114.7450,
84.6090

■ 104.2680,
101.5880, 75.2520

■ 120.5390, 90.2190,
66.5310

■ 136.3370, 78.8040,
58.6440

■ 152.6080, 67.4350,
49.9230

■ 168.8790, 56.0660,
41.2020

■ 185.2640, 44.3760,
32.7920

■ 201.5350, 33.0070,
24.0710

■ 217.3330, 21.5920,
16.1840

■ 233.6040, 10.2230,
7.4630

Harmonies

Analogous

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



112.5910, 67.2460, 80.8940



87.8830, 113.2780, 83.6620



111.2250, 110.0330, 26.8090

Triad

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



87.8830, 113.2780, 83.6620



97.6620, -16.3100, -67.8780



115.3590, -122.2800, 2.4240

Complementary

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



87.8830, 113.2780, 83.6620



163.1170, -113.2780, -83.6620

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.



115.8370, -112.6030, -13.2670



87.8830, 113.2780, 83.6620



99.0620, -66.7460, -56.9060

Square

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



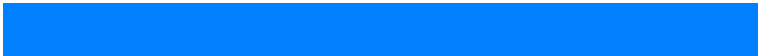
87.8830, 113.2780, 83.6620



116.6530, 41.7760, -41.2640



108.7860, -91.3710, -34.6270



104.2060, -117.0550, 12.3610

Rectangle

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



87.8830, 113.2780, 83.6620



116.4840, 97.7970, -4.7550



108.7860, -91.3710, -34.6270



117.2510, -122.0960, -0.9120

Sweetspot

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



87.8830, 113.2780, 83.6620



205.2580, 35.3450, 25.7530



73.6870, 6.5830, 106.5110



97.9200, 21.3170, 15.6610



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.



87.8830, 113.2780, 83.6620



88.3290, 117.9540, 87.0260



87.9950, 140.5200, 41.4800



116.5710, 5.8220, 4.6220



65.5170, 87.2850, 64.6370



21.0890, 28.3310, 20.7070

Inverse Universe

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



87.8830, 113.2780, 83.6620



88.3290, 117.9540, 87.0260



163.0050, -140.5200, -41.4800



116.5710, 5.8220, 4.6220



65.5170, 87.2850, 64.6370



21.0890, 28.3310, 20.7070

Previews

White Background



This preview shows how the YIQ color 87.8830, 113.2780, 83.6620 looks on a white background.

Color Contrast Check

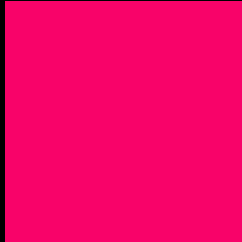
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.8830, 113.2780, 83.6620 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 87.8830, 113.2780, 83.6620

Background



This preview shows how black text looks on a background with the YIQ color 87.8830, 113.2780, 83.6620.



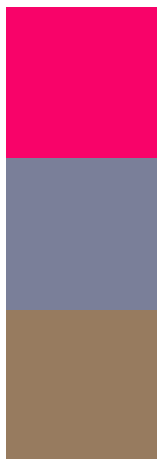
This preview shows how white text looks on a background with the YIQ color 87.8830, 113.2780,

83.6620.

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

87.8830, 113.2780, 83.6620

Protanopia

128.4690, -11.3260, 7.0260

Deuteranopia

128.1800, 25.6760, -2.7720



Tritanopia

102.7680, 122.2260, 42.6260

Trichromacy



Original Color

87.8830, 113.2780, 83.6620

Protanomaly

113.8700, 33.9220, 35.0260

Deuteranomaly

113.2730, 57.3520, 28.9040

Tritanomaly

97.5850, 118.9680, 57.6240

Monochromacy



Original Color

87.8830, 113.2780, 83.6620

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.8290, 41.1670, 30.3750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8830, 113.2780, 83.6620 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(248, 3, 105)` looks like.

```
.text, #text, p{  
    color:rgb(248, 3, 105)  
}
```

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(248, 3, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 3, 105) }
```

Border

The CSS property to change the border of an element to YIQ 87.8830, 113.2780, 83.6620 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(248, 3, 105) }
```


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

```
.border{ border-color:rgb(248, 3, 105) }
```

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

Here you see how a box with a 4 pixel rgb(248, 3, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 3, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 3, 105);  
box-shadow:4px 4px 4px 4px rgb(248, 3,  
105) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8830, 113.2780, 83.6620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 3, 105) }
```

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

```
.background{ background-color: rgb(248, 3,  
105) }
```

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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