

Converting Colors

YIQ(87.5650, 113.6930, 70.6290)

Have a look what the booklet for
YIQ(87.5650, 113.6930, 70.6290)
contains.

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Color

**YIQ(87.5650, 113.6930,
70.6290)**

Conversions

Conversions Part 1

Format	Color
Hex	F00B52
RGB	240, 11, 82
RGB Percent	94%, 4%, 32%
CMY	0.0582, 0.9570, 0.6780
CMYK	0.00, 0.95, 0.66, 0.06
HSL	341°, 91%, 49%
HSV	341°, 95%, 94%
XYZ	37.6316, 19.3994, 9.7639
YIQ	87.5650, 113.6930, 70.6290

Conversions

Conversions Part 2

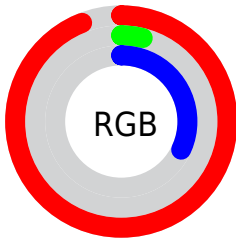
Format	Color
R_{YB}	240, 11, 82
Decimal	15731538
CIE Lab	51.15, 77.70, 26.26
CIE LCh	51, 82.020, 18.672
Yxy	19.3994, 0.5634, 0.2904
Android (android.graphics.Color)	4293921618 (0xFFFF00B52)
YUV	87.5650, -2.7435, 133.6855
Hunter-Lab	44.0448, 75.4309, 17.6879

Details

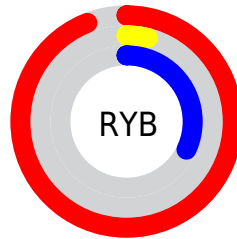
The YIQ color **87.5650, 113.6930, 70.6290** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **163.4350, -113.6930, -70.6290**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **148.1180, 83.2540, 44.0700**, and **56.6570, 92.1020, 48.9180** is the 20% darker color. If you saturate the color by 10%, you get **80.3100, 118.9650, 74.2050**, and if you desaturate by 10%, it is **103.5910, 101.6360, 63.3640**.

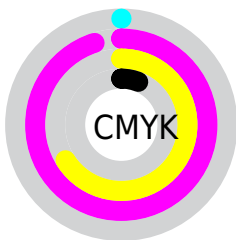
Distribution



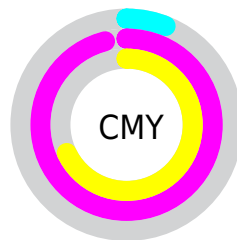
- Red (94%)
- Green (4%)
- Blue (32%)



- Red (94%)
- Yellow (4%)
- Blue (32%)



- Cyan (0%)
- Magenta (95%)
- Yellow (66%)
- Black (6%)





- Cyan (6%)
- Magenta (96%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.5650, 113.6930, 70.6290 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 87.5650, 113.6930, 70.6290 by changing the saturation by 10% instead.


 87.5650, 113.6930,
70.6290


 87.5650, 113.6930,
70.6290


255.0000, -0.0000,
-0.0000


 68.9180, 105.0290,
62.4450


 148.1180, 83.2540,
44.0700


 56.9560, 92.6980,
49.1300


 169.2790, 66.3830,
35.9430


 45.2220, 79.7250,
36.4370


 189.9670, 49.4660,
28.6500

 33.7160, 66.1100,
24.3660

 210.6550, 32.5490,
21.3570

 24.9740, 47.5880,
18.6280

 232.1580, 14.7150,
14.1630

 15.1780, 29.1580,
11.2220

 251.4780, 1.6500,

 0.0000, 0.0000,

3.1380

0.0000

■ 87.5650, 113.6930,
70.6290

■ 87.5650, 113.6930,
70.6290

■ 80.3100, 118.9650,
74.2050

■ 103.5910,
101.6360, 63.3640

■ 119.5030, 89.9000,
55.7880

■ 135.5290, 77.8430,
48.5230

■ 151.4410, 66.1070,
40.9470

■ 167.4670, 54.0500,
33.6820

■ 183.3790, 42.3140,
26.1060

■ 199.4050, 30.2570,
18.8410

■ 215.4310, 18.2000,
11.5760

■ 231.3430, 6.4640,
4.0000

Harmonies

Analogous

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



93.7290, 84.7130, 89.2330



87.5650, 113.6930, 70.6290



107.9620, 108.6150, 8.4470

Triad

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



87.5650, 113.6930, 70.6290



84.5280, -39.6000, -75.3120



110.0760, -119.8050, 7.1310

Complementary

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



87.5650, 113.6930, 70.6290



163.4350, -113.6930, -70.6290

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.



113.3410, -113.8420, -7.3300



87.5650, 113.6930, 70.6290



97.9510, -70.5070, -49.3150

Square

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



87.5650, 113.6930, 70.6290



109.4770, 27.4720, -46.3520



107.4470, -94.4900, -27.6580



96.5750, -113.4800, 19.1600

Rectangle

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



87.5650, 113.6930, 70.6290



114.0260, 84.2270, -12.1330



107.4470, -94.4900, -27.6580



112.8970, -120.8590, 4.2050

Sweetspot

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



87.5650, 113.6930, 70.6290



205.7480, 36.7210, 22.8410



84.0490, 20.0630, 104.5030



98.0510, 22.3260, 13.8940



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.



87.5650, 113.6930, 70.6290



85.2510, 126.6210, 78.6290



104.1250, 124.9340, 26.5820



112.0440, 5.8680, 3.7880



61.5140, 91.3670, 56.7350



18.6820, 27.9190, 17.1590

Inverse Universe

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



87.5650, 113.6930, 70.6290



85.2510, 126.6210, 78.6290



146.8750, -124.9340, -26.5820



112.0440, 5.8680, 3.7880



61.5140, 91.3670, 56.7350



18.6820, 27.9190, 17.1590

Previews

White Background



This preview shows how the YIQ color 87.5650, 113.6930, 70.6290 looks on a white background.

Color Contrast Check

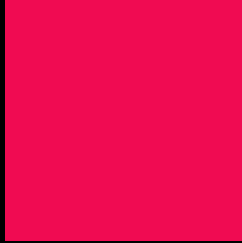
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.5650, 113.6930, 70.6290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

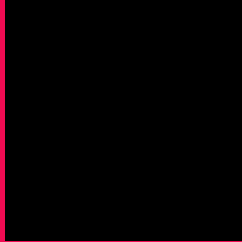
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 87.5650, 113.6930, 70.6290

Background



This preview shows how black text looks on a background with the YIQ color 87.5650, 113.6930, 70.6290.



This preview shows how white text looks on a background with the YIQ color 87.5650, 113.6930,

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

87.5650, 113.6930, 70.6290

Protanopia

122.9680, 3.0260, 0.2260

Deuteranopia

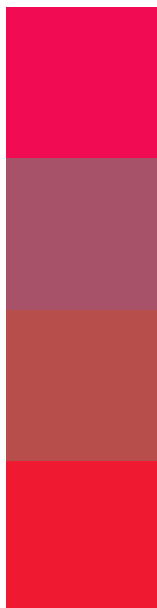
121.6230, 34.4340, -7.3100



Tritanopia

94.9530, 123.1430, 42.5270

Trichromacy



Original Color

87.5650, 113.6930, 70.6290

Protanomaly

110.4500, 43.5520, 25.6960

Deuteranomaly

109.0530, 63.5430, 21.3270

Tritanomaly

92.4230, 119.2440, 52.6200

Monochromacy



Original Color

87.5650, 113.6930, 70.6290

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.7810, 41.1220, 25.6820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.5650, 113.6930, 70.6290 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(240, 11, 82)` looks like.

```
.text, #text, p{  
    color:rgb(240, 11, 82)  
}
```

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(240, 11, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 11, 82) }
```

Border

The CSS property to change the border of an element to YIQ 87.5650, 113.6930, 70.6290 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(240, 11, 82) }
```


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

```
.border{ border-color:rgb(240, 11, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 11, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 11, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 11, 82);  
box-shadow:4px 4px 4px 4px rgb(240, 11,  
82) }
```

Background

The CSS property to change the background color of an element to YIQ 87.5650, 113.6930, 70.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 11, 82) }
```

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

```
.background{ background-color: rgb(240, 11,  
82) }
```

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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