

Converting Colors

YIQ(81.8630, 116.0300, 77.8380)

Have a look what the booklet for
YIQ(81.8630, 116.0300, 77.8380)
contains.

YIQ(81.8630, 116.0300, 77.8380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(81.8630, 116.0300,
77.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	F10056
RGB	241, 0, 86
RGB Percent	95%, 0%, 34%
CMY	0.0543, 0.9998, 0.6624
CMYK	0.00, 1.00, 0.64, 0.05
HSL	339°, 100%, 47%
HSV	339°, 100%, 95%
XYZ	38.0140, 19.4024, 10.5668
YIQ	81.8630, 116.0300, 77.8380

Conversions

Conversions Part 2

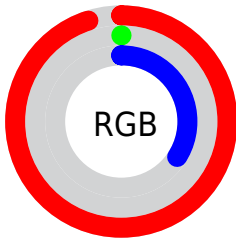
Format	Color
R_{YB}	241, 0, 86
Decimal	15794262
CIE _{Lab}	51.15, 78.93, 23.88
CIE _{LCh}	51, 82.460, 16.830
Yxy	19.4024, 0.5592, 0.2854
Android (android.graphics.Color)	4293984342 (0xFFFF10056)
YUV	81.8630, 2.0395, 139.5631
Hunter-Lab	44.0482, 76.9628, 16.6105

Details

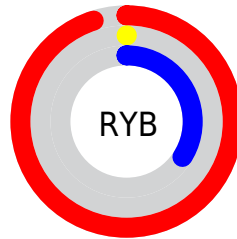
The YIQ color **81.8630, 116.0300, 77.8380** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **159.1370, -116.0300, -77.8380**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **147.4000, 82.5200, 46.3600**, and **57.4120, 91.4140, 50.3740** is the 20% darker color. If you saturate the color by 10%, you get **81.8630, 116.0300, 77.8380**, and if you desaturate by 10%, it is **97.7750, 104.2940, 70.2620**.

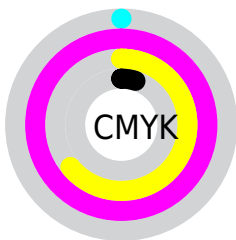
Distribution



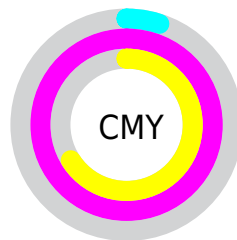
- Red (95%)
- Green (0%)
- Blue (34%)



- Red (95%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 81.8630, 116.0300, 77.8380 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 81.8630, 116.0300, 77.8380 by changing the saturation by 10% instead.


 81.8630, 116.0300,
77.8380


 81.8630, 116.0300,
77.8380


255.0000, -0.0000,
-0.0000


 69.6730, 104.3410,
63.9010


 147.4000, 82.5200,
46.3600


 57.7110, 92.0100,
50.5860


 169.1480, 65.3740,
37.7100

 45.9770, 79.0370,
37.8930

 189.8360, 48.4570,
30.4170

 34.0150, 66.7060,
24.5780

 210.6380, 31.2190,
23.4350

 25.2730, 48.1840,
18.8400

 231.4400, 13.9810,
16.4530

 15.4770, 29.7540,
11.4340

 250.8910, 1.9250,

 0.0000, 0.0000,

3.6610

0.0000

■ 81.8630, 116.0300,
77.8380

■ 97.7750, 104.2940,
70.2620

■ 113.5730, 92.8790,
62.3750

■ 129.4850, 81.1430,
54.7990

■ 145.8700, 69.4530,
46.3890

■ 161.7820, 57.7170,
38.8130

■ 177.5800, 46.3020,
30.9260

■ 193.4920, 34.5660,
23.3500

■ 209.2900, 23.1510,
15.4630

■ 225.2020, 11.4150,
7.8870

Harmonies

Analogous

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



95.6470, 82.0080, 88.6960



81.8630, 116.0300, 77.8380



107.0100, 108.6600, 13.1400

Triad

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



81.8630, 116.0300, 77.8380



83.9410, -39.3250, -74.7890



111.2500, -120.3550, 6.0850

Complementary

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



81.8630, 116.0300, 77.8380



159.1370, -116.0300, -77.8380

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.



112.9990, -112.8790, -8.2630



81.8630, 116.0300, 77.8380



97.3810, -68.9020, -50.8700

Square

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



81.8630, 116.0300, 77.8380



110.0860, 30.1310, -44.9810



106.9910, -93.2060, -28.9020



97.7490, -114.0300, 18.1140

Rectangle

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



81.8630, 116.0300, 77.8380



114.0480, 87.1610, -10.2390



106.9910, -93.2060, -28.9020



113.3700, -120.8130, 3.3710

Sweetspot

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



81.8630, 116.0300, 77.8380



204.8020, 36.6290, 24.5090



73.2210, 13.8270, 107.3870



97.5780, 22.2800, 14.7280



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.



81.8630, 116.0300, 77.8380



86.6190, 122.7690, 82.3610



90.8430, 134.8360, 34.3560



112.0440, 5.8680, 3.7880



62.5400, 88.4780, 59.5340



19.0240, 26.9560, 18.0920

Inverse Universe

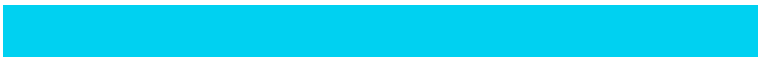
The Inverse Universe completely reimagines the original color for something new.



81.8630, 116.0300, 77.8380



86.6190, 122.7690, 82.3610



150.1570, -134.8360, -34.3560



112.0440, 5.8680, 3.7880



62.5400, 88.4780, 59.5340



19.0240, 26.9560, 18.0920

Previews

White Background



This preview shows how the YIQ color 81.8630, 116.0300, 77.8380 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 81.8630, 116.0300, 77.8380 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 81.8630, 116.0300, 77.8380

Background



This preview shows how black text looks on a background with the YIQ color 81.8630, 116.0300, 77.8380.



This preview shows how white text looks on a background with the YIQ color 81.8630, 116.0300,

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

81.8630, 116.0300, 77.8380

Protanopia

123.9400, 0.2290, 1.3570

Deuteranopia

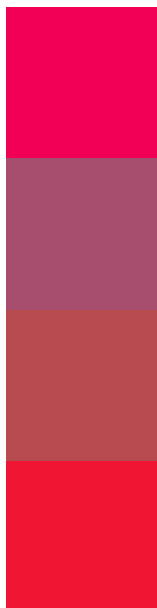
122.3670, 32.2790, -6.8010



Tritanopia

95.8390, 123.4640, 42.2160

Trichromacy



Original Color

81.8630, 116.0300, 77.8380

Protanomaly

108.3730, 42.4510, 29.1310

Deuteranomaly

107.7480, 63.0840, 24.1400

Tritanomaly

90.4880, 120.6190, 55.2350

Monochromacy



Original Color

81.8630, 116.0300, 77.8380

Achromatopsia

82.0000, 0.0000, -0.0000

Achromatomaly

81.8460, 42.4970, 28.2970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 81.8630, 116.0300, 77.8380 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(241, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(241, 0, 86)  
}
```

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(241, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 0, 86) }
```

Border

The CSS property to change the border of an element to YIQ 81.8630, 116.0300, 77.8380 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(241, 0, 86) }
```


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

```
.border{ border-color:rgb(241, 0, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(241, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to YIQ 81.8630, 116.0300, 77.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 0, 86) }
```

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

```
.background{ background-color: rgb(241, 0,  
86) }
```

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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