

# Converting Colors

YIQ(117.8880, 104.5730,  
48.6770)

Have a look what the booklet for  
YIQ(117.8880, 104.5730, 48.6770)  
contains.

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# Color

**YIQ(117.8880, 104.5730,  
48.6770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F83A55
RGB	248, 58, 85
RGB Percent	97%, 23%, 33%
CMY	0.0270, 0.7728, 0.6663
CMYK	0.00, 0.77, 0.66, 0.03
HSL	351°, 93%, 60%
HSV	351°, 77%, 97%
XYZ	41.9065, 23.6539, 10.9722
YIQ	117.8880, 104.5730, 48.6770

# Conversions

## Conversions Part 2

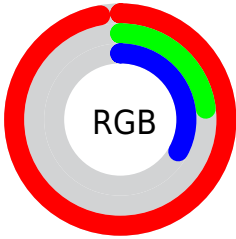
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 58, 85
Decimal	16267861
CIE Lab	55.74, 71.33, 30.62
CIE LCh	56, 77.627, 23.231
Yxy	23.6539, 0.5476, 0.3091
Android (android.graphics.Color)	4294457941 (0xFFFF83A55)
YUV	117.8880, -16.2138, 114.1082
Hunter-Lab	48.6352, 68.6928, 20.6687

# Details

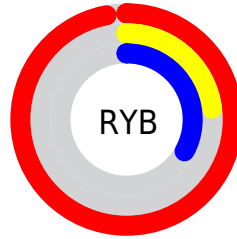
The YIQ color **117.8880, 104.5730, 48.6770** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **188.1120, -104.5730, -48.6770**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **162.5480, 75.6910, 32.4510**, and **59.5760, 96.8240, 51.4480** is the 20% darker color. If you saturate the color by 10%, you get **100.8190, 118.1890, 55.2210**, and if you desaturate by 10%, it is **134.9570, 90.9570, 42.1330**.

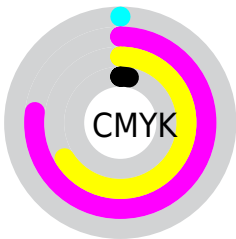
# Distribution



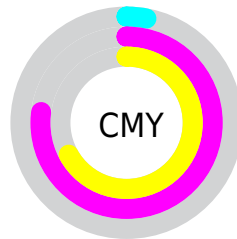
- Red (97%)
- Green (23%)
- Blue (33%)



- Red (97%)
- Yellow (23%)
- Blue (33%)



- Cyan (0%)
- Magenta (77%)
- Yellow (66%)
- Black (3%)



- Cyan (3%)
- Magenta (77%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8880, 104.5730, 48.6770 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 117.8880, 104.5730, 48.6770 by changing the saturation by 10% instead.





 117.8880,  
104.5730, 48.6770


 117.8880,  
104.5730, 48.6770


255.0000, -0.0000,  
-0.0000


 75.7610, 106.9090,  
61.4130


 162.6620, 75.3700,  
32.7620


 59.5760, 96.8240,  
51.4480


 182.6490, 59.0490,  
25.6810

 47.8420, 83.8510,  
38.7550


 203.3370, 42.1320,  
18.3880

 36.1790, 72.1160,  
25.6520

 223.4380, 25.4900,  
11.6180

 26.8390, 52.4020,  
19.4900

 244.3540, 7.9310,  
4.9470

 18.2820, 34.7970,  
13.6530

 6.5780, 13.1120,

4.6640

■ 0.0000, 0.0000,  
0.0000

■ 117.8880,  
104.5730, 48.6770

■ 117.8880,  
104.5730, 48.6770

■ 100.8190,  
118.1890, 55.2210

■ 134.9570, 90.9570,  
42.1330

■ 83.7500, 131.8050,  
61.7650


■ 152.1400, 77.0200,  
35.9000


■ 78.1420, 136.5730,  
63.4610

■ 168.6220, 63.6790,  
29.8790

■ 185.6910, 50.0630,  
23.3350

■ 202.7600, 36.4470,  
16.7910

 219.9430, 22.5100,  
10.5580

 237.0120, 8.8940,  
4.0140

 252.9070, -4.1720,  
-1.4840

# Harmonies

## Analogous

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



119.3350, 82.2860, 72.6380



117.8880, 104.5730, 48.6770



123.7390, 101.6930, 1.7330

# Triad

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



117.8880, 104.5730, 48.6770



97.0610, -56.9780, -68.7380



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.



117.8880, 104.5730, 48.6770



188.1120, -104.5730, -48.6770

# 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.



120.8070, -121.0860, -8.2060



117.8880, 104.5730, 48.6770



108.3180, -81.7860, -48.6500

# Square

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



117.8880, 104.5730, 48.6770



118.3040, 26.2810, -52.3030



116.7710, -104.2100, -27.7140



127.8820, -62.6360, 33.8440



# Rectangle

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



117.8880, 104.5730, 48.6770



125.5000, 82.5320, -19.9640



116.7710, -104.2100, -27.7140



118.2940, -123.6550, -0.1910

# Sweetspot

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



117.8880, 104.5730, 48.6770



214.6670, 32.2750, 15.3070



128.0980, 35.5620, 93.4340



103.3340, 19.8510, 9.1870



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.



117.8880, 104.5730, 48.6770



94.1410, 129.1460, 60.3940



153.5520, 95.0900, 5.7620



116.1150, 7.1060, 3.3780



59.5890, 103.9770, 48.4650



19.2650, 33.4670, 15.7310



# Inverse Universe

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



117.8880, 104.5730, 48.6770



94.1410, 129.1460, 60.3940



152.4480, -95.0900, -5.7620



116.1150, 7.1060, 3.3780



59.5890, 103.9770, 48.4650



19.2650, 33.4670, 15.7310



# Previews

## White Background



This preview shows how the YIQ color 117.8880, 104.5730, 48.6770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

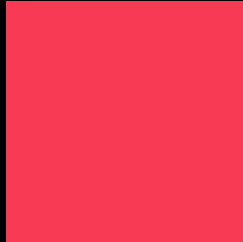
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 117.8880, 104.5730, 48.6770 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 117.8880, 104.5730, 48.6770

## Background



This preview shows how black text looks on a background with the YIQ color 117.8880, 104.5730, 48.6770.



This preview shows how white text looks on a background with the YIQ color 117.8880, 104.5730,



# 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

117.8880, 104.5730, 48.6770

### Protanopia

133.9270, 10.2710, -4.4250

### Deuteranopia

132.4230, 37.8730, -9.0630



## Tritanopia

117.5430, 109.6180, 39.8420

# Trichromacy



## Original Color

117.8880, 104.5730, 48.6770

## Protanomaly

127.8980, 44.7460, 15.0660

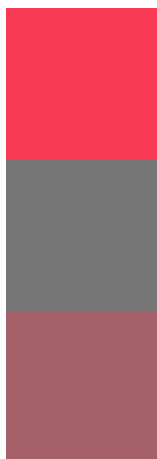
## Deuteranomaly

127.4730, 61.9400, 11.8280

## Tritanomaly

117.8680, 107.3250, 42.8530

# Monochromacy



## Original Color

117.8880, 104.5730, 48.6770

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.7710, 37.9140, 17.7380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.8880, 104.5730, 48.6770 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, 58, 85)` looks like.

```
.text, #text, p{  
    color:rgb(248, 58, 85)  
}
```

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, 58, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 58, 85) }
```

## Border

The CSS property to change the border of an element to YIQ 117.8880, 104.5730, 48.6770 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, 58, 85) }
```



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

```
.border{ border-color:rgb(248, 58, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 58, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 58, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 58, 85);  
box-shadow:4px 4px 4px 4px rgb(248, 58,  
85) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.8880, 104.5730, 48.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 58, 85) }
```

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

```
.background{ background-color: rgb(248, 58,  
85) }
```

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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