

# Converting Colors

YIQ(84.7630, 103.4270, 47.4190)

Have a look what the booklet for  
YIQ(84.7630, 103.4270, 47.4190)  
contains.

<b>YIQ(84.7630, 103.4270, 47.4190)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(84.7630, 103.4270,  
47.4190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D51A33
RGB	213, 26, 51
RGB Percent	84%, 10%, 20%
CMY	0.1642, 0.8983, 0.7996
CMYK	0.00, 0.88, 0.76, 0.16
HSL	352°, 78%, 47%
HSV	352°, 88%, 84%
XYZ	28.4421, 15.1389, 4.5665
YIQ	84.7630, 103.4270, 47.4190

# Conversions

## Conversions Part 2

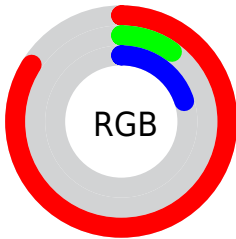
Format	Color
<a href="#">RYB</a>	<a href="#">213, 26, 51</a>
Decimal	<a href="#">13965875</a>
CIELab	<a href="#">45.82, 67.95, 37.11</a>
CIElCh	<a href="#">46, 77.423, 28.637</a>
Yxy	<a href="#">15.1389, 0.5907, 0.3144</a>
Android (android.graphics.Color)	<a href="#">4292155955</a> ( <a href="#">0xFFD51A33</a> )
YUV	<a href="#">84.7630, -16.6452, 112.4638</a>
Hunter-Lab	<a href="#">38.9088, 62.3920, 20.2775</a>

# Details

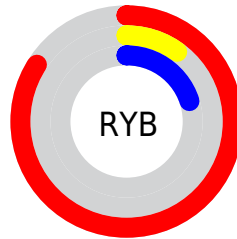
The YIQ color **84.7630, 103.4270, 47.4190** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **154.2370, -103.4270, -47.4190**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **143.7690, 94.1220, 34.3300**, and **45.4630, 86.2360, 34.0760** is the 20% darker color. If you saturate the color by 10%, you get **70.3840, 114.9800, 52.8040**, and if you desaturate by 10%, it is **99.2560, 91.5530, 42.3450**.

# Distribution



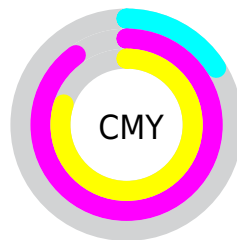
- Red (84%)
- Green (10%)
- Blue (20%)



- Red (84%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (88%)
- Yellow (76%)
- Black (16%)




- Cyan (16%)
- Magenta (90%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7630, 103.4270, 47.4190 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 84.7630, 103.4270, 47.4190 by changing the saturation by 10% instead.





 84.7630, 103.4270,  
47.4190


 84.7630, 103.4270,  
47.4190


255.0000, -0.0000,  
-0.0000


 57.5390, 98.2460,  
47.7020


 143.7690, 94.1220,  
34.3300


 45.4630, 86.2360,  
34.0760


 163.6420, 78.1220,  
26.9380


 35.2820, 70.3280,  
25.0160


 183.6290, 61.8010,  
19.8570

 26.2410, 51.2100,  
19.0660

 203.6160, 45.4800,  
12.7760

 17.2710, 33.3300,  
12.7060

 224.4180, 28.2420,  
5.7940

 5.0830, 10.1320,  
3.6040

 245.2200, 11.0040,

 0.0000, 0.0000,

-1.1880

0.0000

■ 84.7630, 103.4270,  
47.4190

■ 84.7630, 103.4270,  
47.4190

■ 70.3840, 114.9800,  
52.8040

■ 99.2560, 91.5530,  
42.3450

■ 66.9930, 117.6390,  
54.1750

■ 114.2220, 79.7250,  
36.4370

■ 128.6010, 68.1720,  
31.0520

■ 143.0940, 56.2980,  
25.9780

■ 158.0600, 44.4700,  
20.0700

■ 172.5530, 32.5960,  
14.9960

■ 186.9320, 21.0430,  
9.6110

■ 201.4250, 9.1690,  
4.5370

■ 216.3910, -2.6590,  
-1.3710

# Harmonies

## Analogous

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



77.2810, 91.5460, 81.0340



84.7630, 103.4270, 47.4190



99.3290, 88.1680, -0.9520

# Triad

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



84.7630, 103.4270, 47.4190



80.5450, -46.2970, -58.5610



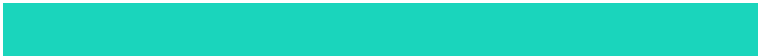
96.6260, -109.4900, 12.9260

# Complementary

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



84.7630, 103.4270, 47.4190



154.2370, -103.4270, -47.4190

# 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.



101.9770, -106.6450, -0.0930



84.7630, 103.4270, 47.4190



91.1010, -70.5090, -38.2610

# Square

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



84.7630, 103.4270, 47.4190



92.5440, 8.1700, -48.9660



98.5110, -91.3740, -18.0460



105.5530, -45.3520, 39.9920



# Rectangle

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



84.7630, 103.4270, 47.4190



102.6860, 64.5130, -18.2950



98.5110, -91.3740, -18.0460



99.8060, -110.1770, 8.8550

# Sweetspot

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



84.7630, 103.4270, 47.4190



209.7600, 36.4470, 16.7910



94.8590, 34.7370, 91.8650



100.5300, 22.2350, 10.0350



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.



84.7630, 103.4270, 47.4190



80.1210, 141.0660, 64.6340



120.0680, 93.5770, 5.6490



99.5170, 5.9140, 2.9540



53.7510, 94.5330, 43.4050



13.5410, 23.7020, 10.9820



# Inverse Universe

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



84.7630, 103.4270, 47.4190



80.1210, 141.0660, 64.6340



118.9320, -93.5770, -5.6490



99.5170, 5.9140, 2.9540



53.7510, 94.5330, 43.4050



13.5410, 23.7020, 10.9820



# Previews

## White Background



This preview shows how the YIQ color 84.7630, 103.4270, 47.4190 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 × Fail



# Black Background



This preview shows how the YIQ color 84.7630, 103.4270, 47.4190 looks on a black 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

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

# YIQ 84.7630, 103.4270, 47.4190

## Background



This preview shows how black text looks on a background with the YIQ color 84.7630, 103.4270, 47.4190.



This preview shows how white text looks on a background with the YIQ color 84.7630, 103.4270,



# 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

84.7630, 103.4270, 47.4190

### Protanopia

108.8150, 16.2780, -8.6660

### Deuteranopia

106.4570, 40.5330, -13.2190



## Tritanopia

85.0760, 109.4350, 37.6510

# Trichromacy



## Original Color

84.7630, 103.4270, 47.4190

## Protanomaly

99.7580, 47.9560, 11.9560

## Deuteranomaly

98.8490, 63.6370, 8.6050

## Tritanomaly

84.8140, 107.4170, 41.1850

# Monochromacy



## Original Color

84.7630, 103.4270, 47.4190

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.3580, 37.6390, 17.2150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.7630, 103.4270, 47.4190 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(213, 26, 51)` looks like.

```
.text, #text, p{  
    color:rgb(213, 26, 51)  
}
```

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(213, 26, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 26, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 84.7630, 103.4270, 47.4190 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(213, 26, 51) }
```



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

```
.border{ border-color:rgb(213, 26, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 26, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 26, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 26, 51);  
box-shadow:4px 4px 4px 4px rgb(213, 26,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.7630, 103.4270, 47.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 26, 51) }
```

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

```
.background{ background-color: rgb(213, 26,  
51) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor