

# Converting Colors

YIQ(94.4940, 137.6770, 43.4450)

Have a look what the booklet for  
YIQ(94.4940, 137.6770, 43.4450)  
contains.

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# Color

**YIQ(94.4940, 137.6770,  
43.4450)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FD1D10                     |
| RGB           | 253, 29, 16                |
| RGB Percent   | 99%, 11%, 6%               |
| CMY           | 0.0073, 0.8865, 0.9367     |
| CMYK          | 0.00, 0.89, 0.94, 0.01     |
| HSL           | 3°, 98%, 53%               |
| HSV           | 3°, 94%, 99%               |
| XYZ           | 41.0884, 21.8197, 2.5418   |
| YIQ           | 94.4940, 137.6770, 43.4450 |

# Conversions

## Conversions Part 2

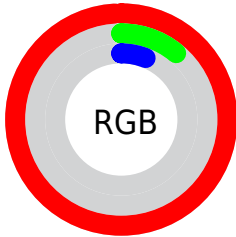
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">253, 30, 16</a>                                |
| Decimal                             | <a href="#">16588048</a>                                   |
| CIELab                              | <a href="#">53.84, 77.05, 63.25</a>                        |
| CIElCh                              | <a href="#">54, 99.682, 39.381</a>                         |
| Yxy                                 | <a href="#">21.8197, 0.6278, 0.3334</a>                    |
| Android<br>(android.graphics.Color) | <a href="#">4294778128</a><br><a href="#">(0xFFFD1D10)</a> |
| YUV                                 | <a href="#">94.4940, -38.6975, 139.0098</a>                |
| Hunter-Lab                          | <a href="#">46.7116, 75.2667, 29.4718</a>                  |

# Details

The YIQ color **94.4940, 137.6770, 43.4450** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **174.5060, -137.6770, -43.4450**, and the grayscale version is **95.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.0450, 101.5520, 20.8160**, and **55.6140, 110.8560, 39.4320** is the 20% darker color. If you saturate the color by 10%, you get **83.8650, 146.9380, 46.3140**, and if you desaturate by 10%, it is **111.4320, 123.0520, 38.6680**.

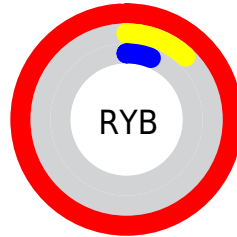
# Distribution



Red (99%)

Green (11%)

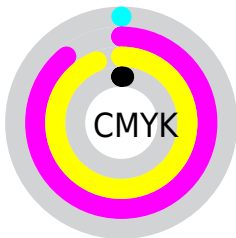
Blue (6%)



Red (99%)

Yellow (12%)

Blue (6%)

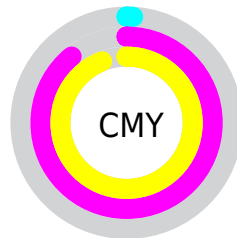


Cyan (0%)

Magenta (89%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (89%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 94.4940, 137.6770, 43.4450 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 94.4940, 137.6770, 43.4450 by changing the saturation by 10% instead.




 94.4940, 137.6770,  
43.4450


 94.4940, 137.6770,  
43.4450


255.0000, -0.0000,  
-0.0000


 65.4810, 130.5240,  
46.4280


 145.0450,  
101.5520, 20.8160

 55.6140, 110.8560,  
39.4320


 166.2060, 84.6810,  
12.6890


 45.7470, 91.1880,  
32.4360


 186.6660, 68.4060,  
4.7740

 35.9940, 71.1990,  
25.7510

 207.3540, 51.4890,  
-2.5190

 26.9530, 52.0810,  
19.8010

 228.0420, 34.5720,  
-9.8120


 17.5700, 33.9260,  
12.9180


 248.8440, 17.3340,


 5.3820, 10.7280,


-16.7940


3.8160


 252.1500, 8.0250,  
-7.7750

 0.0000, 0.0000,  
0.0000


 94.4940, 137.6770,  
43.4450

 94.4940, 137.6770,  
43.4450


 83.8650, 146.9380,  
46.3140

 111.4320,  
123.0520, 38.6680

 128.4840,  
108.1060, 34.2020

 145.4220, 93.4810,  
29.4250

 162.3600, 78.8560,  
24.6480

 179.4120, 63.9100,  
20.1820

■ 196.3500, 49.2850,  
15.4050

■ 213.2880, 34.6600,  
10.6280

■ 230.3400, 19.7140,  
6.1620

■ 246.6910, 5.3640,  
1.9080

# Harmonies

## Analogous

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



88.3290, 117.9540, 87.0260



94.4940, 137.6770, 43.4450



119.9840, 93.2130, -9.7870

# Triad

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



94.4940, 137.6770, 43.4450



100.4010, -63.6270, -63.8750



107.1410, -118.4300, 9.7460

# Complementary

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



94.4940, 137.6770, 43.4450



174.5060, -137.6770, -43.4450

# 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.



120.0550, -124.4800, -1.7600



94.4940, 137.6770, 43.4450



112.7640, -94.3050, -36.5210

# Square

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



94.4940, 137.6770, 43.4450



88.6370, -41.5250, -78.9730



122.2260, -120.9480, -10.7080



127.3700, -13.0790, 66.3530



# Rectangle

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



94.4940, 137.6770, 43.4450



120.6170, 59.7930, -31.8790



122.2260, -120.9480, -10.7080



112.4240, -120.9050, 5.0390

# Sweetspot

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



94.4940, 137.6770, 43.4450



206.9900, 41.4910, 13.4830



112.5130, 69.0270, 120.2190



98.3300, 25.6740, 8.2820



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.



94.4940, 137.6770, 43.4450



84.4630, 148.1300, 46.7380



163.1730, 105.5020, -17.7460



118.8870, 7.7480, 2.7560



62.9790, 111.0860, 35.2620



20.8970, 37.3190, 11.9990



# Inverse Universe

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



174.5060, -137.6770, -43.4450



170.5370, -148.1300, -46.7380



105.8270, -105.5020, 17.7460



123.5260, -7.4730, -2.2330



128.0210, -111.0860, -35.2620



42.5160, -37.0440, -11.4760



# Previews

## White Background



This preview shows how the YIQ color 94.4940, 137.6770, 43.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

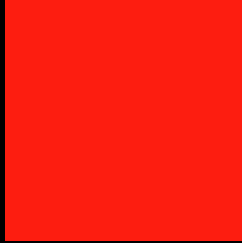
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 94.4940, 137.6770, 43.4450 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 94.4940, 137.6770, 43.4450

## Background



This preview shows how black text looks on a background with the YIQ color 94.4940, 137.6770, 43.4450.



This preview shows how white text looks on a background with the YIQ color 94.4940, 137.6770,

43.4450.

# 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

94.4940, 137.6770, 43.4450

### Protanopia

123.9970, 38.4720, -25.4320

### Deuteranopia

120.9380, 63.3230, -29.7730



## Tritanopia

94.4770, 136.3470, 45.5230

# Trichromacy



## Original Color

94.4940, 137.6770, 43.4450

## Protanomaly

113.0270, 74.4590, -0.3010

## Deuteranomaly

111.5310, 90.4150, -3.1290

## Tritanomaly

94.2490, 136.9890, 44.9010

# Monochromacy



## Original Color

94.4940, 137.6770, 43.4450

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

94.0620, 50.1560, 16.1400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 94.4940, 137.6770, 43.4450 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(253, 29, 16)` looks like.

```
.text, #text, p{  
    color:rgb(253, 29, 16)  
}
```

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(253, 29, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 29, 16) }
```

## Border

The CSS property to change the border of an element to YIQ 94.4940, 137.6770, 43.4450 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(253, 29, 16) }
```



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

```
.border{ border-color:rgb(253, 29, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 29, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 29, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 29, 16);  
box-shadow:4px 4px 4px 4px rgb(253, 29,  
16) }
```

# Background

The CSS property to change the background color of an element to YIQ 94.4940, 137.6770, 43.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 29, 16) }
```

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

```
.background{ background-color: rgb(253, 29,  
16) }
```

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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