

# Converting Colors

YIQ(101.4810, 130.5240,  
46.4280)

Have a look what the booklet for  
YIQ(101.4810, 130.5240, 46.4280)  
contains.

<b>YIQ(101.4810, 130.5240, 46.4280)</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(101.4810, 130.5240,  
46.4280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2424
RGB	255, 36, 36
RGB Percent	100%, 14%, 14%
CMY	0.0000, 0.8591, 0.8583
CMYK	0.00, 0.86, 0.86, 0.00
HSL	360°, 100%, 57%
HSV	360°, 86%, 100%
XYZ	42.1886, 22.6444, 3.8269
YIQ	101.4810, 130.5240, 46.4280

# Conversions

## Conversions Part 2

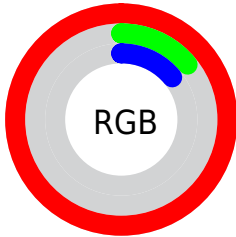
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 36, 36
Decimal	16720932
CIE <sub>Lab</sub>	54.70, 76.65, 56.39
CIE <sub>LCh</sub>	55, 95.157, 36.342
Yxy	22.6444, 0.6145, 0.3298
Android (android.graphics.Color)	4294911012 (0xFFFF2424)
YUV	101.4810, -32.2821, 134.6362
Hunter-Lab	47.5861, 74.9776, 28.5422

# Details

The YIQ color **101.4810, 130.5240, 46.4280** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **189.5190, -130.5240, -46.4280**, and the grayscale version is **102.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.2170, 95.3160, 23.7000**, and **56.2120, 112.0480, 39.8560** is the 20% darker color. If you saturate the color by 10%, you get **83.3690, 145.6990, 52.2510**, and if you desaturate by 10%, it is **119.1200, 115.3030, 41.4390**.

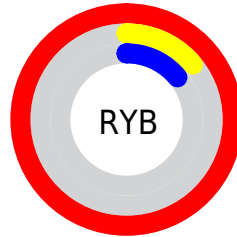
# Distribution



Red (100%)

Green (14%)

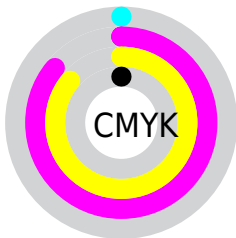
Blue (14%)



Red (100%)

Yellow (14%)

Blue (14%)

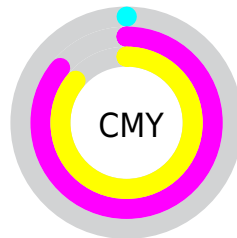


Cyan (0%)

Magenta (86%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.4810, 130.5240, 46.4280 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 101.4810, 130.5240, 46.4280 by changing the saturation by 10% instead.





 101.4810,  
130.5240, 46.4280


 101.4810,  
130.5240, 46.4280


255.0000, -0.0000,  
-0.0000


 67.3330, 128.1850,  
50.2730


 149.2170, 95.3160,  
23.7000


 56.2120, 112.0480,  
39.8560


 169.7910, 78.7200,  
16.0960


 46.3450, 92.3800,  
32.8600


 190.3650, 62.1240,  
8.4920

 36.7770, 73.3080,  
26.0760

 210.9390, 45.5280,  
0.8880

 27.5510, 53.2730,  
20.2250

 231.7410, 28.2900,  
-6.0940

 18.2820, 34.7970,  
13.6530

 250.7820, 11.8770,

 6.8770, 13.7080,

-11.5070

4.8760

254.0880, 2.5680,  
-2.4880

0.0000, 0.0000,  
0.0000

101.4810,  
130.5240, 46.4280

101.4810,  
130.5240, 46.4280

83.3690, 145.6990,  
52.2510

119.1200,  
115.3030, 41.4390

76.2450, 151.9800,  
54.0600

137.2320,  
100.1280, 35.6160

154.8710, 84.9070,  
30.6270

172.9830, 69.7320,  
24.8040

190.6220, 54.5110,  
19.8150

■ 208.7340, 39.3360,  
13.9920

■ 226.2590, 24.4360,  
8.6920

■ 244.4850, 8.9400,  
3.1800

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



89.6970, 114.1020, 90.7580



101.4810, 130.5240, 46.4280



121.4900, 97.6600, -7.7800

# Triad

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



101.4810, 130.5240, 46.4280



100.5320, -62.6180, -65.6420



109.4890, -119.5300, 7.6540

# Complementary

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



101.4810, 130.5240, 46.4280



189.5190, -130.5240, -46.4280

# 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.



121.2290, -125.0300, -2.8060



101.4810, 130.5240, 46.4280



113.0260, -92.2870, -40.0550

# Square

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



101.4810, 130.5240, 46.4280



101.7820, -16.7680, -70.5920



122.2600, -118.2880, -14.8640



129.9510, -22.3850, 58.7910



# Rectangle

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



101.4810, 130.5240, 46.4280



123.6070, 65.7530, -29.7590



122.2600, -118.2880, -14.8640



114.7720, -122.0050, 2.9470

# Sweetspot

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



101.4810, 130.5240, 46.4280



208.7340, 39.3360, 13.9920



125.2510, 57.8410, 113.6890



99.9600, 23.8400, 8.4800



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.



101.4810, 130.5240, 46.4280



76.2450, 151.9800, 54.0600



163.7030, 101.3740, -9.0100



118.8870, 7.7480, 2.7560



57.1090, 113.8360, 40.4920



19.1360, 38.1440, 13.5680



# Inverse Universe

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



101.4810, 130.5240, 46.4280



76.2450, 151.9800, 54.0600



127.2970, -101.3740, 9.0100



118.8870, 7.7480, 2.7560



57.1090, 113.8360, 40.4920



19.1360, 38.1440, 13.5680



# Previews

## White Background



This preview shows how the YIQ color 101.4810, 130.5240, 46.4280 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 101.4810, 130.5240, 46.4280 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 101.4810, 130.5240, 46.4280

## Background



This preview shows how black text looks on a background with the YIQ color 101.4810, 130.5240, 46.4280.



This preview shows how white text looks on a background with the YIQ color 101.4810, 130.5240,

46.4280.

# 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

101.4810, 130.5240, 46.4280

### Protanopia

127.7500, 32.0980, -20.0460

### Deuteranopia

123.0090, 64.5610, -30.1830



## Tritanopia

101.1390, 131.4870, 45.4950

# Trichromacy



## Original Color

101.4810, 130.5240, 46.4280

## Protanomaly

118.2530, 68.1310, 4.2510

## Deuteranomaly

115.2750, 88.2600, -2.6200

## Tritanomaly

101.2530, 131.1660, 45.8060

# Monochromacy



## Original Color

101.4810, 130.5240, 46.4280

## Achromatopsia

101.0000, -0.0000, 0.0000

## Achromatomaly

100.9200, 47.6800, 16.9600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.4810, 130.5240, 46.4280 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(255, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 36)  
}
```

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(255, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 36) }
```

## Border

The CSS property to change the border of an element to YIQ 101.4810, 130.5240, 46.4280 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(255, 36, 36) }
```



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

```
.border{ border-color:rgb(255, 36, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
36) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.4810, 130.5240, 46.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 36) }
```

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

```
.background{ background-color: rgb(255, 36,  
36) }
```

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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