

# Converting Colors

YIQ(98.4740, 78.5350, 24.9590)

Have a look what the booklet for  
YIQ(98.4740, 78.5350, 24.9590)  
contains.

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# Color

**YIQ(98.4740, 78.5350,  
24.9590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD3D36
RGB	189, 61, 54
RGB Percent	74%, 24%, 21%
CMY	0.2585, 0.7610, 0.7879
CMYK	0.00, 0.68, 0.71, 0.26
HSL	3°, 56%, 48%
HSV	3°, 71%, 74%
XYZ	23.3389, 14.4275, 5.0547
YIQ	98.4740, 78.5350, 24.9590

# Conversions

## Conversions Part 2

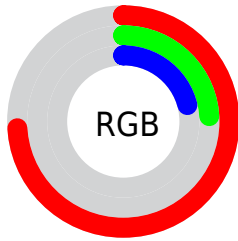
Format	Color
<b>RYB</b>	189, 61, 54
Decimal	12401974
CIELab	44.84, 50.86, 33.02
CIELCh	45, 60.637, 32.990
Yxy	14.4275, 0.5450, 0.3369
Android (android.graphics.Color)	4290592054 (0xFFBD3D36)
YUV	98.4740, -21.9257, 79.3913
Hunter-Lab	37.9835, 43.2079, 18.6984

# Details

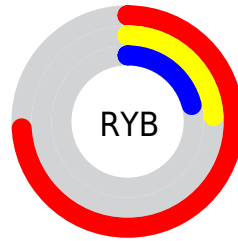
The YIQ color **98.4740, 78.5350, 24.9590** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **144.5260, -78.5350, -24.9590**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **154.0680, 85.5500, 24.4780**, and **39.5260, 72.7570, 30.5570** is the 20% darker color. If you saturate the color by 10%, you get **85.7420, 89.5840, 28.4640**, and if you desaturate by 10%, it is **111.2060, 67.4860, 21.4540**.

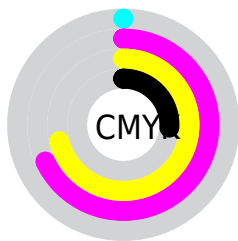
# Distribution



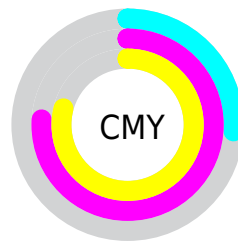
- Red (74%)
- Green (24%)
- Blue (21%)



- Red (74%)
- Yellow (24%)
- Blue (21%)



- Cyan (0%)
- Magenta (68%)
- Yellow (71%)
- Black (26%)




- Cyan (26%)
- Magenta (76%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 98.4740, 78.5350, 24.9590 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 98.4740, 78.5350, 24.9590 by changing the saturation by 10% instead.





 98.4740, 78.5350,  
24.9590


 98.4740, 78.5350,  
24.9590


255.0000, -0.0000,  
-0.0000


 69.3860, 75.9670,  
27.4470


 154.0680, 85.5500,  
24.4780


 39.5260, 72.7570,  
30.5570


 174.5500, 72.2090,  
18.4570


 29.6010, 59.0040,  
20.9880

 194.0640, 55.8420,  
12.2100

 20.9300, 41.7200,  
14.8400

 213.4640, 39.7960,  
5.6520

 12.3730, 24.1150,  
9.0030

 233.6790, 22.8330,  
-0.8070

 0.0000, 0.0000,  
0.0000

 252.7200, 6.4200,

-6.2200

■ 98.4740, 78.5350,  
24.9590

■ 98.4740, 78.5350,  
24.9590

■ 85.7420, 89.5840,  
28.4640

■ 111.2060, 67.4860,  
21.4540

■ 73.0100, 100.6330,  
31.9690

■ 123.9380, 56.4370,  
17.9490

■ 62.3810, 109.8940,  
34.8380

■ 136.6700, 45.3880,  
14.4440

■ 149.4020, 34.3390,  
10.9390

■ 162.1340, 23.2900,  
7.4340

■ 174.8660, 12.2410,  
3.9290

■ 187.4840, 1.5130,  
0.1130

■ 200.2160, -9.5360,  
-3.3920

■ 212.3610,  
-20.3100, -6.3740

# Harmonies

## Analogous

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



97.0380, 69.0400, 48.3680



98.4740, 78.5350, 24.9590



99.5180, 74.0940, -10.2100

# Triad

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



98.4740, 78.5350, 24.9590



79.8730, -52.6720, -47.6480



88.8690, -97.2930, 6.6350

# Complementary

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



98.4740, 78.5350, 24.9590



144.5260, -78.5350, -24.9590

# 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.



94.5450, -96.7410, -3.3730



98.4740, 78.5350, 24.9590



87.6760, -70.5100, -32.7340

# Square

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



98.4740, 78.5350, 24.9590



90.7940, 10.4620, -46.4500



93.3760, -86.5600, -17.1840



107.6080, -20.8220, 35.9620



# Rectangle

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



98.4740, 78.5350, 24.9590



99.9620, 54.7480, -23.0440



93.3760, -86.5600, -17.1840



91.6900, -98.3470, 3.7090

# Sweetspot

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



98.4740, 78.5350, 24.9590



210.3090, 30.1670, 9.4550



108.9570, 39.3720, 68.4280



101.5570, 17.6050, 5.8370



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



98.4740, 78.5350, 24.9590



103.5460, 122.7310, 38.9790



137.8030, 60.1100, -10.0820



87.6910, 5.3640, 1.9080



51.9380, 91.9680, 29.3120



10.4430, 17.9260, 5.5260



# Inverse Universe

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



144.5260, -78.5350, -24.9590



175.4540, -122.7310, -38.9790



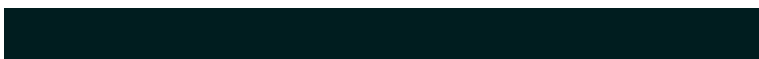
105.1970, -60.1100, 10.0820



91.3090, -5.3640, -1.9080



106.0620, -91.9680, -29.3120



20.5570, -17.9260, -5.5260



# Previews

## White Background



This preview shows how the YIQ color 98.4740, 78.5350, 24.9590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

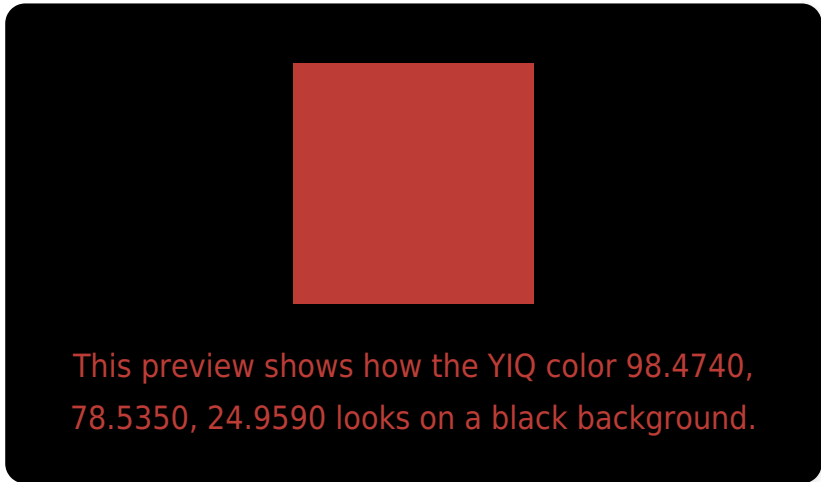
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 98.4740, 78.5350, 24.9590**

## **Background**



This preview shows how black text looks on a background with the YIQ color 98.4740, 78.5350, 24.9590.



This preview shows how white text looks on a background with the YIQ color 98.4740, 78.5350,



# 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

98.4740, 78.5350, 24.9590

### Protanopia

105.4730, 17.2410, -9.5990

### Deuteranopia

104.5860, 35.8560, -11.0560



## Tritanopia

98.9130, 75.9210, 28.2810

# Trichromacy



## Original Color

98.4740, 78.5350, 24.9590

## Protanomaly

102.8830, 39.9340, 3.1500

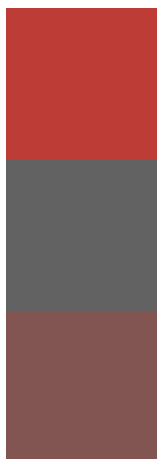
## Deuteranomaly

102.4020, 51.5340, 2.1740

## Tritanomaly

98.5710, 76.8840, 27.3480

# Monochromacy



## Original Color

98.4740, 78.5350, 24.9590

## Achromatopsia

98.0000, -0.0000, -0.0000

## Achromatomaly

98.4120, 28.3790, 8.8190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 98.4740, 78.5350, 24.9590 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(189, 61, 54)` looks like.

```
.text, #text, p{  
    color:rgb(189, 61, 54)  
}
```

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(189, 61, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 61, 54) }
```

## Border

The CSS property to change the border of an element to YIQ 98.4740, 78.5350, 24.9590 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(189, 61, 54) }
```



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

```
.border{ border-color:rgb(189, 61, 54) }
```

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

Here you see how a box with a 4 pixel rgb(189, 61, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 61, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 61, 54);  
box-shadow:4px 4px 4px 4px rgb(189, 61,  
54) }
```

# Background

The CSS property to change the background color of an element to YIQ 98.4740, 78.5350, 24.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 61, 54) }
```

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

```
.background{ background-color: rgb(189, 61,  
54) }
```

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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