

# Converting Colors

YIQ(85.4620, 7.7470, 8.2830)

Have a look what the booklet for  
YIQ(85.4620, 7.7470, 8.2830)  
contains.

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**Color**

**YIQ(85.4620, 7.7470, 8.2830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	624E5B
RGB	98, 78, 91
RGB Percent	38%, 31%, 36%
CMY	0.6156, 0.6941, 0.6431
CMYK	0.00, 0.20, 0.07, 0.62
HSL	321°, 11%, 35%
HSV	321°, 20%, 38%
XYZ	9.6509, 8.8005, 11.0887
YIQ	85.4620, 7.7470, 8.2830

# Conversions

## Conversions Part 2

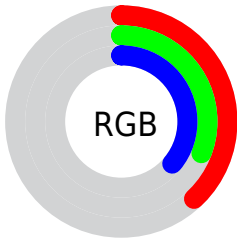
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 78, 91
Decimal	6442587
CIE <sub>Lab</sub>	35.60, 10.86, -4.44
CIE <sub>LCh</sub>	36, 11.733, 337.779
Yxy	8.8005, 0.3267, 0.2979
Android (android.graphics.Color)	4284632667 (0xFF624E5B)
YUV	85.4620, 2.7302, 10.9958
Hunter-Lab	29.6656, 6.1553, -1.3961

# Details

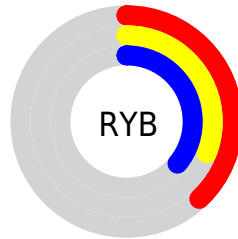
The YIQ color **85.4620, 7.7470, 8.2830** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **90.5380, -7.7470, -8.2830**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1740, 8.6180, 9.0180**, and **40.3370, 6.6010, 7.0250** is the 20% darker color. If you saturate the color by 10%, you get **79.2500, 11.4600, 12.5800**, and if you desaturate by 10%, it is **91.6740, 4.0340, 3.9860**.

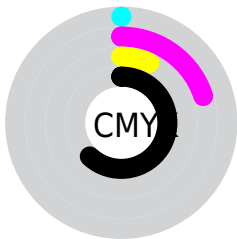
# Distribution



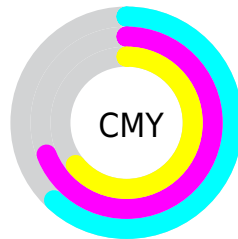
- Red (38%)
- Green (31%)
- Blue (36%)



- Red (38%)
- Yellow (31%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (62%)



- Cyan (62%)
- Magenta (69%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.4620, 7.7470, 8.2830 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 85.4620, 7.7470, 8.2830 by changing the saturation by 10% instead.



■ 85.4620, 7.7470,  
8.2830

■ 85.4620, 7.7470,  
8.2830

■ 255.0000, -0.0000,  
-0.0000

■ 62.1630, 7.1510,  
8.0710

■ 135.1740, 8.6180,  
9.0180

■ 40.3370, 6.6010,  
7.0250

■ 161.4730, 9.2140,  
9.2300

■ 18.8640, 6.5550,  
7.8590

■ 188.5870, 8.8930,  
9.5410

■ 0.0000, 0.0000,  
0.0000

■ 216.0000, 9.1680,  
10.0640

■ 243.3910, 6.5090,  
8.6930

85.4620, 7.7470,  
8.2830

85.4620, 7.7470,  
8.2830

79.2500, 11.4600,  
12.5800

91.6740, 4.0340,  
3.9860

72.9240, 15.4940,  
16.5660

98.0000, -0.0000,  
-0.0000

67.2990, 18.9320,  
20.3400

103.6250, -3.4380,  
-3.7740

60.9730, 22.9660,  
24.3260

109.9510, -7.4720,  
-7.7600

54.7610, 26.6790,  
28.6230

116.1630,  
-11.1850, -12.0570

48.4350, 30.7130,  
32.6090

122.4890,  
-15.2190, -16.0430

42.2230, 34.4260,  
36.9060


128.7010,  
-18.9320, -20.3400

36.5980, 37.8640,

134.3260,

40.6800

-22.3700, -24.1140

 140.6520,  
-26.4040, -28.1000

# Harmonies

## Analogous

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



85.1450, -1.6060, 7.0820



85.4620, 7.7470, 8.2830



85.3440, 13.8910, 7.0670

# Triad

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



85.4620, 7.7470, 8.2830



83.0300, 8.4830, -5.0610



80.4150, -20.4020, -4.7060

# Complementary

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



85.4620, 7.7470, 8.2830



90.5380, -7.7470, -8.2830

# 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.



79.9870, -16.3210, -7.0810



85.4620, 7.7470, 8.2830



82.2570, 0.4140, -7.5060

# Square

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



85.4620, 7.7470, 8.2830



84.1880, 14.0300, -0.9620



81.2390, -8.3430, -8.4950



82.0180, -17.6060, -0.3100



# Rectangle

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



85.4620, 7.7470, 8.2830



85.1330, 15.8630, 4.3670



81.2390, -8.3430, -8.4950



80.0730, -19.4390, -5.6390

# Sweetspot

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



85.4620, 7.7470, 8.2830



122.9620, 3.1630, 3.2510



82.3730, -2.2480, 7.7040



60.8370, 2.0170, 1.9930



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



85.4620, 7.7470, 8.2830



107.8480, 12.6520, 13.0040



84.3220, 10.9570, 5.1730



45.5380, 1.4210, 1.7810



41.8100, 43.3190, 46.4470



89.5440, 92.9640, 99.3960



# Inverse Universe

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



85.4620, 7.7470, 8.2830



107.8480, 12.6520, 13.0040



91.6780, -10.9570, -5.1730



45.5380, 1.4210, 1.7810



41.8100, 43.3190, 46.4470



89.5440, 92.9640, 99.3960



# Previews

## White Background



This preview shows how the YIQ color 85.4620, 7.7470, 8.2830 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 85.4620, 7.7470, 8.2830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

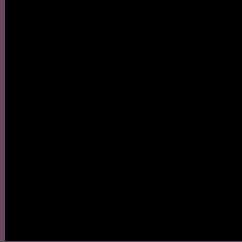
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 85.4620, 7.7470, 8.2830**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.4620, 7.7470, 8.2830.



This preview shows how white text looks on a background with the YIQ color 85.4620, 7.7470, 8.2830.

# 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

85.4620, 7.7470, 8.2830

### Protanopia

83.9550, -4.1270, 3.2090

### Deuteranopia

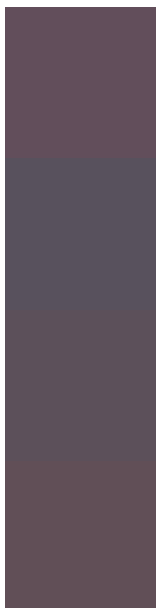
84.4180, 1.8790, 4.4950



## Tritanopia

85.0660, 8.8020, 5.6820

# Trichromacy



## Original Color

85.4620, 7.7470, 8.2830

## Protanomaly

84.4610, 0.3200, 5.2160

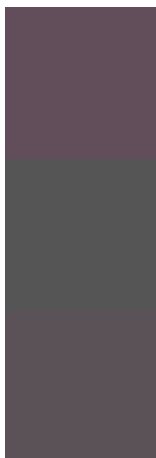
## Deuteranomaly

84.7280, 3.9420, 5.6540

## Tritanomaly

85.2940, 8.1600, 6.3040

# Monochromacy



## Original Color

85.4620, 7.7470, 8.2830

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

84.9620, 3.1630, 3.2510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.4620, 7.7470, 8.2830 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(98, 78, 91)` looks like.

```
.text, #text, p{  
    color:rgb(98, 78, 91)  
}
```

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(98, 78, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 78, 91) }
```

## Border

The CSS property to change the border of an element to YIQ 85.4620, 7.7470, 8.2830 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(98, 78, 91) }
```

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

```
.border{ border-color:rgb(98, 78, 91) }
```

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

Here you see how a box with a 4 pixel rgb(98, 78, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 78, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 78, 91);  
box-shadow:4px 4px 4px 4px rgb(98, 78, 91)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 85.4620, 7.7470, 8.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 78, 91) }
```

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

```
.background{ background-color: rgb(98, 78,  
91) }
```

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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