

# Converting Colors

YIQ(84.7960, 11.5440, 55.1280)

Have a look what the booklet for  
YIQ(84.7960, 11.5440, 55.1280)  
contains.

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# Color

**YIQ(84.7960, 11.5440,  
55.1280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	822EA6
RGB	130, 46, 166
RGB Percent	51%, 18%, 65%
CMY	0.4899, 0.8197, 0.3491
CMYK	0.22, 0.72, 0.00, 0.35
HSL	282°, 57%, 42%
HSV	282°, 72%, 65%
XYZ	17.0741, 9.4554, 36.9958
YIQ	84.7960, 11.5440, 55.1280

# Conversions

## Conversions Part 2

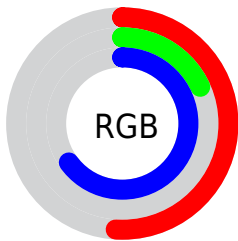
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 46, 166
Decimal	8531622
CIE <sub>Lab</sub>	36.85, 54.33, -48.45
CIE <sub>LCh</sub>	37, 72.795, 318.280
Yxy	9.4554, 0.2688, 0.1488
Android (android.graphics.Color)	4286721702 (0xFF822EA6)
<b>YUV</b>	84.7960, 40.0336, 39.6439
Hunter-Lab	30.7496, 45.3029, -49.8090

# Details

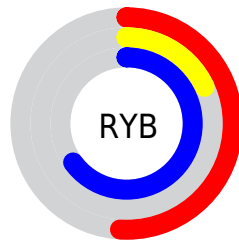
The YIQ color **84.7960, 11.5440, 55.1280** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **127.2040, -11.5440, -55.1280**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.6220, 12.0940, 56.1740**, and **35.6060, 9.0230, 51.2550** is the 20% darker color. If you saturate the color by 10%, you get **73.3220, 13.2390, 62.9590**, and if you desaturate by 10%, it is **96.2700, 9.8490, 47.2970**.

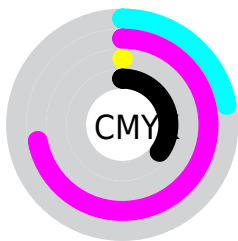
# Distribution



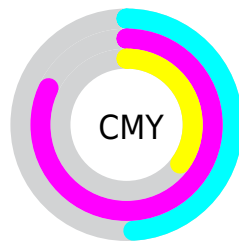
- Red (51%)
- Green (18%)
- Blue (65%)



- Red (51%)
- Yellow (18%)
- Blue (65%)



- Cyan (22%)
- Magenta (72%)
- Yellow (0%)
- Black (35%)




- Cyan (49%)
- Magenta (82%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7960, 11.5440, 55.1280 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 84.7960, 11.5440, 55.1280 by changing the saturation by 10% instead.





 84.7960, 11.5440,  
55.1280


 84.7960, 11.5440,  
55.1280

255.0000, -0.0000,  
-0.0000


 54.8610, 12.9190,  
57.7430


 139.6220, 12.0940,  
56.1740


 35.6060, 9.0230,  
51.2550


 166.8610, 12.9190,  
57.7430


 24.6830, 0.9560,  
37.7560


 192.7230, 21.8150,  
50.7030

 14.1730, -6.8360,  
24.7800

 211.5620, 20.3500,  
38.7020

 6.4350, -13.9860,  
11.1820

 228.5850, 12.3750,  
23.5350

 2.7530, -6.3740,  
5.3860

 245.6080, 4.4000,

 0.0000, 0.0000,

8.3680

0.0000

■ 84.7960, 11.5440,  
55.1280

■ 84.7960, 11.5440,  
55.1280

■ 73.3220, 13.2390,  
62.9590

■ 96.2700, 9.8490,  
47.2970

■ 62.4350, 14.6590,  
70.2670

■ 107.1570, 8.4290,  
39.9890

■ 53.6080, 15.8500,  
76.2180

■ 118.6310, 6.7340,  
32.1580

■ 129.5180, 5.3140,  
24.8500

■ 140.9920, 3.6190,  
17.0190

■ 152.4660, 1.9240,  
9.1880

■ 163.3530, 0.5040,  
1.8800

■ 174.8270, -1.1910,  
-5.9510

■ 185.7140, -2.6110,  
-13.2590

# Harmonies

## Analogous

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



70.9340, -86.7500, 19.3140



84.7960, 11.5440, 55.1280



65.3920, 68.9440, 72.1440

# Triad

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



84.7960, 11.5440, 55.1280



81.9870, 53.6000, -13.2480



78.4780, -69.4120, -19.5880

# Complementary

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



84.7960, 11.5440, 55.1280



127.2040, -11.5440, -55.1280

# 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.



70.9370, -49.5560, -38.0360



84.7960, 11.5440, 55.1280



77.5920, 17.3830, -34.2090

# Square

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



84.7960, 11.5440, 55.1280



73.1030, 86.4690, 13.3250



61.0480, -28.6000, -54.3920



83.8190, -85.8290, -2.8930



# Rectangle

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



84.7960, 11.5440, 55.1280



63.6370, 86.8270, 61.9230



61.0480, -28.6000, -54.3920



76.1980, -62.9920, -25.8080

# Sweetspot

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



84.7960, 11.5440, 55.1280



184.3390, 4.2600, 21.9240



80.8120, -48.4200, 18.4920



90.2860, 2.6110, 13.2590



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



84.7960, 11.5440, 55.1280



89.0140, 18.0030, 86.7630



92.8240, 40.7040, 55.2960



78.7060, 1.0080, 3.7600



47.9680, 14.4760, 68.0760



6.4660, 1.9240, 9.1880



# Inverse Universe

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



85.9840, 59.9640, 36.6360



91.0090, 94.3470, 57.7950



119.1760, -40.7040, -55.2960



78.6200, 4.1260, 2.3180



49.2680, 74.0840, 45.0600



6.6640, 9.9940, 6.1060



# Previews

## White Background



This preview shows how the YIQ color 84.7960, 11.5440, 55.1280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

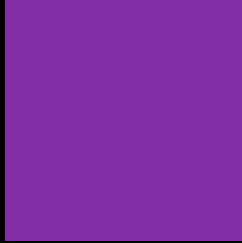
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 84.7960, 11.5440, 55.1280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

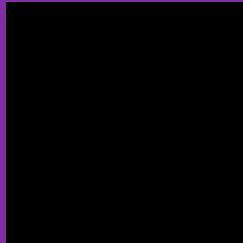
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 84.7960, 11.5440, 55.1280**

## **Background**



This preview shows how black text looks on a background with the YIQ color 84.7960, 11.5440, 55.1280.



This preview shows how white text looks on a background with the YIQ color 84.7960, 11.5440,



# 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

84.7960, 11.5440, 55.1280

### Protanopia

69.7140, -80.5590, 11.7370

### Tritanopia

88.8290, 22.8310, 10.2470

# Trichromacy



## Original Color

84.7960, 11.5440, 55.1280

## Protanomaly

74.9790, -47.0920, 27.4680

## Tritanomaly

87.4010, 18.8850, 26.7010

# Monochromacy



## Original Color

84.7960, 11.5440, 55.1280

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

84.8720, 4.0770, 19.7330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.7960, 11.5440, 55.1280 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(130, 46, 166)` looks like.

```
.text, #text, p{  
    color:rgb(130, 46, 166)  
}
```

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(130, 46, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 46, 166) }
```

## Border

The CSS property to change the border of an element to YIQ 84.7960, 11.5440, 55.1280 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(130, 46, 166) }
```

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

```
.border{ border-color:rgb(130, 46, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 46, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 46, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 46, 166);  
box-shadow:4px 4px 4px 4px rgb(130, 46,  
166) }
```



# Background

The CSS property to change the background color of an element to YIQ 84.7960, 11.5440, 55.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 46, 166) }
```

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

```
.background{ background-color: rgb(130, 46,  
166) }
```

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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