

Converting Colors

YIQ(87.6870, 28.3820, -7.7620)

Have a look what the booklet for
YIQ(87.6870, 28.3820, -7.7620)
contains.

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Color

**YIQ(87.6870, 28.3820,
-7.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	6E552B
RGB	110, 85, 43
RGB Percent	43%, 33%, 17%
CMY	0.5686, 0.6667, 0.8312
CMYK	0.00, 0.23, 0.61, 0.57
HSL	38°, 44%, 30%
HSV	38°, 61%, 43%
XYZ	10.1159, 9.9856, 3.6833
YIQ	87.6870, 28.3820, -7.7620

Conversions

Conversions Part 2

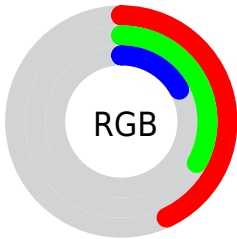
Format	Color
R_{YB}	83, 110, 43
Decimal	7230763
CIE Lab	37.82, 4.98, 28.10
CIE LCh	38, 28.543, 79.946
Yxy	9.9856, 0.4253, 0.4198
Android (android.graphics.Color)	4285420843 (0xFF6E552B)
YUV	87.6870, -22.0307, 19.5685
Hunter-Lab	31.5999, 1.8420, 15.2091

Details

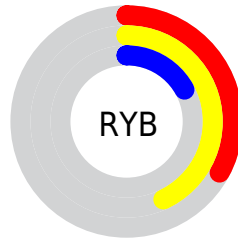
The YIQ color **87.6870, 28.3820, -7.7620** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **65.3130, -28.3820, 7.7620**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.9540, 32.0040, -7.3240**, and **41.4200, 24.7600, -8.2000** is the 20% darker color. If you saturate the color by 10%, you get **84.0850, 33.0130, -9.0910**, and if you desaturate by 10%, it is **91.2890, 23.7510, -6.4330**.

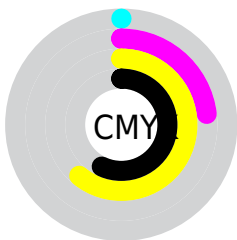
Distribution



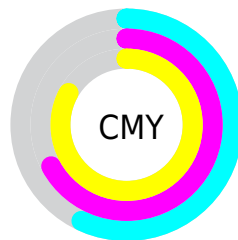
- Red (43%)
- Green (33%)
- Blue (17%)



- Red (33%)
- Yellow (43%)
- Blue (17%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (57%)



- Cyan (57%)
- Magenta (67%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.6870, 28.3820, -7.7620 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 87.6870, 28.3820, -7.7620 by changing the saturation by 10% instead.

87.6870, 28.3820,
-7.7620

87.6870, 28.3820,
-7.7620

255.0000, -0.0000,
-0.0000

63.9040, 26.2730,
-8.0870

137.9540, 32.0040,
-7.3240

41.4200, 24.7600,
-8.2000

164.7260, 32.6460,
-7.9460

22.5040, 15.9560,
-2.8280

192.2100, 34.1590,
-7.8330

0.0000, 0.0000,
0.0000

219.6940, 35.6720,
-7.7200

241.5890, 22.6060,
-13.2180

251.3520, 10.2720,

-9.9520

254.5440, 1.2840,
-1.2440

■ 87.6870, 28.3820,
-7.7620

■ 87.6870, 28.3820,
-7.7620

■ 84.0850, 33.0130,
-9.0910

■ 91.2890, 23.7510,
-6.4330

■ 80.4830, 37.6440,
-10.4200

■ 94.8910, 19.1200,
-5.1040

■ 76.8810, 42.2750,
-11.7490

■ 98.4930, 14.4890,
-3.7750

■ 73.3930, 46.5850,
-12.7670

■ 102.0950, 9.8580,
-2.4460

■ 106.2840, 4.9520,
-1.6400

■ 109.8860, 0.3210,
-0.3110

■ 113.4880, -4.3100,
1.0180

■ 117.0900, -8.9410,
2.3470

■ 120.6920,
-13.5720, 3.6760

Harmonies

Analogous

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



89.1430, 36.2660, 3.5460



87.6870, 28.3820, -7.7620



85.3320, 13.0240, -15.7760

Triad

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



87.6870, 28.3820, -7.7620



71.1430, -61.1590, -20.4790



91.6550, 6.1860, 20.0580

Complementary

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



87.6870, 28.3820, -7.7620



65.3130, -28.3820, 7.7620

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.



89.1510, -18.9380, 12.8220



87.6870, 28.3820, -7.7620



72.2490, -67.0290, -13.2130

Square

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



87.6870, 28.3820, -7.7620



74.9960, -38.8760, -22.3320



80.0220, -49.7920, -0.7040



91.1210, 25.3050, 20.4810

Rectangle

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



87.6870, 28.3820, -7.7620



83.6230, -1.0970, -18.6730



80.0220, -49.7920, -0.7040



91.2950, -1.6080, 18.1360

Sweetspot

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



87.6870, 28.3820, -7.7620



134.1660, 11.0960, -2.8560



65.9970, 31.5860, 22.2900



66.3550, 6.1900, -2.0500



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



87.6870, 28.3820, -7.7620



108.2510, 44.1090, -11.9470



99.9700, 16.7390, -22.5330



54.1420, 2.4760, -0.8200



79.9050, 50.8950, -13.7850



164.8380, 104.5870, -28.7010

Inverse Universe

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



65.3130, -28.3820, 7.7620



73.1620, -43.8340, 12.4700



53.0300, -16.7390, 22.5330



52.4450, -2.7510, 0.2970



40.0950, -50.8950, 13.7850



82.1620, -104.5870, 28.7010

Previews

White Background



This preview shows how the YIQ color 87.6870, 28.3820, -7.7620 looks on a white background.

Color Contrast Check

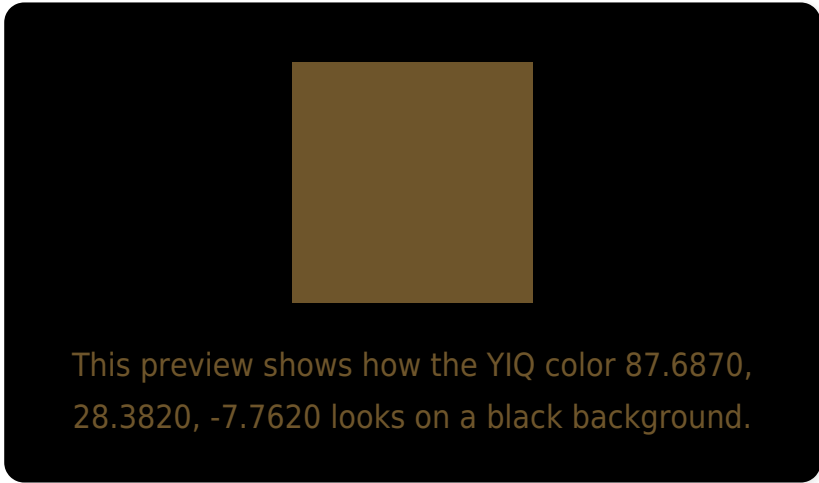
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

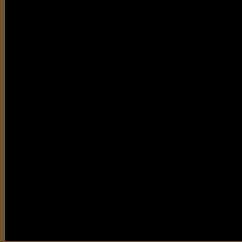
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.6870, 28.3820, -7.7620

Background



This preview shows how black text looks on a background with the YIQ color 87.6870, 28.3820, -7.7620.



This preview shows how white text looks on a background with the YIQ color 87.6870, 28.3820,

-7.7620.

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

87.6870, 28.3820, -7.7620

Protanopia

86.8600, 20.4050, -11.8750

Deuteranopia

87.6870, 28.3820, -7.7620



Tritanopia

90.5510, 17.7420, 8.8620

Trichromacy



Original Color

87.6870, 28.3820, -7.7620

Protanomaly

87.4690, 23.0640, -10.5040

Deuteranomaly

87.6870, 28.3820, -7.7620

Tritanomaly

89.6020, 21.7320, 2.6280

Monochromacy



Original Color

87.6870, 28.3820, -7.7620

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.9810, 10.1790, -2.7570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.6870, 28.3820, -7.7620 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(110, 85, 43)` looks like.

```
.text, #text, p{  
    color:rgb(110, 85, 43)  
}
```

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(110, 85, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 85, 43) }
```

Border

The CSS property to change the border of an element to YIQ 87.6870, 28.3820, -7.7620 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(110, 85, 43) }
```


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

```
.border{ border-color:rgb(110, 85, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 85, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 85, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 85, 43);  
box-shadow:4px 4px 4px 4px rgb(110, 85,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 87.6870, 28.3820, -7.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 85, 43) }
```

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

```
.background{ background-color: rgb(110, 85,  
43) }
```

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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