

# Converting Colors

YIQ(86.8190, 19.6230, 2.3030)

Have a look what the booklet for  
YIQ(86.8190, 19.6230, 2.3030)  
contains.

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# Color

**YIQ(86.8190, 19.6230,  
2.3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B5045
RGB	107, 80, 69
RGB Percent	42%, 31%, 27%
CMY	0.5803, 0.6863, 0.7293
CMYK	0.00, 0.25, 0.36, 0.58
HSL	17°, 22%, 35%
HSV	17°, 36%, 42%
XYZ	10.0079, 9.2923, 6.8999
YIQ	86.8190, 19.6230, 2.3030

# Conversions

## Conversions Part 2

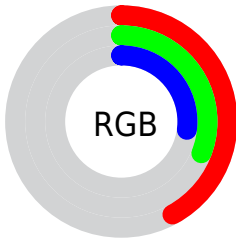
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	107, 84, 69
Decimal	7032901
CIE Lab	36.54, 9.63, 10.85
CIE LCh	37, 14.511, 48.400
Yxy	9.2923, 0.3820, 0.3547
Android (android.graphics.Color)	4285222981 (0xFF6B5045)
<b>YUV</b>	86.8190, -8.7848, 17.6987
Hunter-Lab	30.4833, 5.2569, 7.9179

# Details

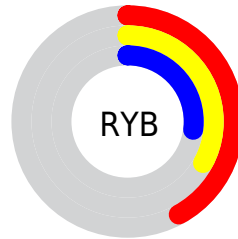
The YIQ color **86.8190, 19.6230, 2.3030** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **89.1810, -19.6230, -2.3030**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.6020, 21.7320, 2.6280**, and **40.8510, 16.5970, 2.0770** is the 20% darker color. If you saturate the color by 10%, you get **80.8690, 25.3540, 3.0660**, and if you desaturate by 10%, it is **92.7690, 13.8920, 1.5400**.

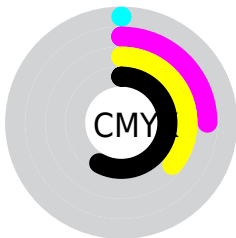
# Distribution



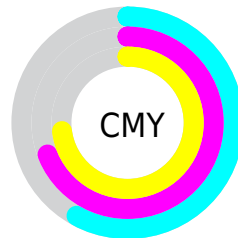
- Red (42%)
- Green (31%)
- Blue (27%)



- Red (42%)
- Yellow (33%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (36%)
- Black (58%)



- Cyan (58%)
- Magenta (69%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.8190, 19.6230, 2.3030 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 86.8190, 19.6230, 2.3030 by changing the saturation by 10% instead.



■ 86.8190, 19.6230,  
2.3030

■ 86.8190, 19.6230,  
2.3030

255.0000, -0.0000,  
-0.0000

■ 63.3350, 18.1100,  
2.1900

■ 136.6020, 21.7320,  
2.6280

■ 40.8510, 16.5970,  
2.0770

■ 163.2000, 22.9240,  
3.0520

■ 19.8680, 17.9270,  
-0.0010

■ 190.3850, 23.8410,  
2.9530

■ 0.0000, 0.0000,  
0.0000

■ 218.3850, 23.8410,  
2.9530

■ 241.6010, 14.3050,  
-0.4390

254.7720, 0.6420,

-0.6220

■ 86.8190, 19.6230,  
2.3030

■ 86.8190, 19.6230,  
2.3030

■ 80.8690, 25.3540,  
3.0660

■ 92.7690, 13.8920,  
1.5400

■ 75.6200, 30.4890,  
3.6170

■ 98.0180, 8.7570,  
0.9890

■ 69.6700, 36.2200,  
4.3800

■ 103.9680, 3.0260,  
0.2260

■ 64.3070, 41.6760,  
4.6200

■ 109.3310, -2.4300,  
-0.0140

■ 58.4710, 47.0860,  
5.6940

■ 115.2810, -8.1610,  
-0.7770

■ 52.5210, 52.8170,  
6.4570

■ 121.1170,  
-13.5710, -1.8510

■ 50.1900, 55.2470,  
6.4710

■ 126.4800,  
-19.0270, -2.0910

■ 132.4300,  
-24.7580, -2.8540

■ 137.6790,  
-29.8930, -3.4050

# Harmonies

## Analogous

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



87.6820, 18.7510, 7.0950



86.8190, 19.6230, 2.3030



86.0910, 15.6810, -3.3510

# Triad

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



86.8190, 19.6230, 2.3030



81.4770, -14.9450, -9.9930



86.7250, -9.1710, 6.5170

# Complementary

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



86.8190, 19.6230, 2.3030



89.1810, -19.6230, -2.3030

# 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.



83.7020, -19.5320, 1.5560



86.8190, 19.6230, 2.3030



81.0400, -23.8400, -8.4800

# Square

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



86.8190, 19.6230, 2.3030



83.5230, -3.3910, -10.1350



81.3050, -25.9040, -4.1120



87.8790, 2.1990, 9.7110



# Rectangle

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



86.8190, 19.6230, 2.3030



84.8730, 10.3630, -6.0930



81.3050, -25.9040, -4.1120



85.6320, -13.3430, 5.0330

# Sweetspot

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



86.8190, 19.6230, 2.3030



131.8330, 7.8400, 1.0880



83.4400, 13.9810, 16.4530



66.4520, 4.5390, 0.3390



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.



86.8190, 19.6230, 2.3030



107.9190, 31.0850, 3.8290



97.9720, 14.3980, -7.6340



50.9680, 3.0260, 0.2260



54.9410, 60.3820, 7.0220



114.9320, 126.4950, 14.8070



# Inverse Universe

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



89.1810, -19.6230, -2.3030



112.0810, -31.0850, -3.8290



78.0280, -14.3980, 7.6340



51.0320, -3.0260, -0.2260



62.0590, -60.3820, -7.0220



130.0680, -126.4950, -14.8070



# Previews

## White Background



This preview shows how the YIQ color 86.8190, 19.6230, 2.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

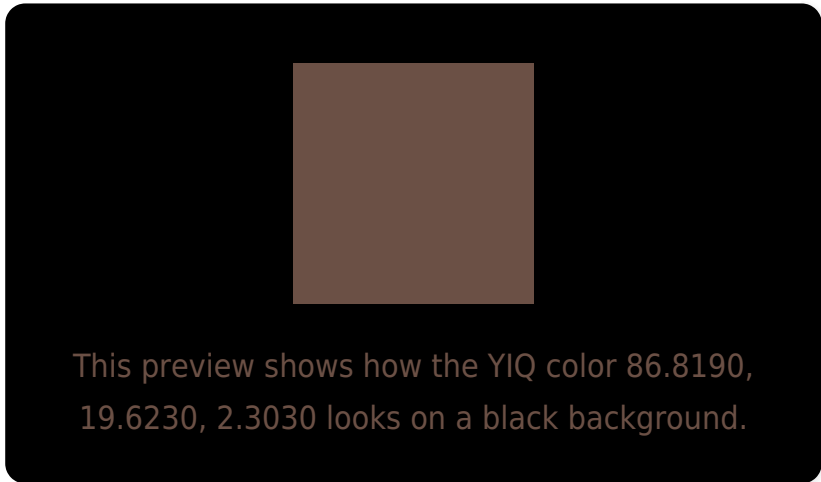
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

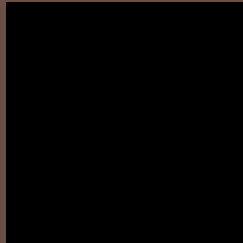
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 86.8190, 19.6230, 2.3030**

## **Background**



This preview shows how black text looks on a background with the YIQ color 86.8190, 19.6230, 2.3030.



This preview shows how white text looks on a background with the YIQ color 86.8190, 19.6230,



# 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

86.8190, 19.6230, 2.3030

### Protanopia

85.8990, 7.4740, -3.2940

### Deuteranopia

86.6720, 15.5430, -0.8490



## Tritanopia

87.9530, 16.5500, 8.4380

# Trichromacy



## Original Color

86.8190, 19.6230, 2.3030

## Protanomaly

86.4050, 11.9210, -1.2870

## Deuteranomaly

86.6830, 17.0100, 0.0980

## Tritanomaly

87.6710, 17.2840, 6.1480

# Monochromacy



## Original Color

86.8190, 19.6230, 2.3030

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

86.5340, 7.2440, 0.8760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.8190, 19.6230, 2.3030 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(107, 80, 69)` looks like.

```
.text, #text, p{  
    color:rgb(107, 80, 69)  
}
```

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(107, 80, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 80, 69) }
```

## Border

The CSS property to change the border of an element to YIQ 86.8190, 19.6230, 2.3030 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(107, 80, 69) }
```



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

```
.border{ border-color:rgb(107, 80, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 80, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 80, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 80, 69);  
box-shadow:4px 4px 4px 4px rgb(107, 80,  
69) }
```

# Background

The CSS property to change the background color of an element to YIQ 86.8190, 19.6230, 2.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 80, 69) }
```

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

```
.background{ background-color: rgb(107, 80,  
69) }
```

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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