

Converting Colors

YIQ(86.9650, 7.1080, -7.6760)

Have a look what the booklet for
YIQ(86.9650, 7.1080, -7.6760)
contains.

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Color

**YIQ(86.9650, 7.1080,
-7.6760)**

Conversions

Conversions Part 1

Format	Color
Hex	595A42
RGB	89, 90, 66
RGB Percent	35%, 35%, 26%
CMY	0.6510, 0.6470, 0.7411
CMYK	0.01, 0.00, 0.27, 0.65
HSL	63°, 15%, 31%
HSV	63°, 27%, 35%
XYZ	8.7593, 9.8295, 6.5917
YIQ	86.9650, 7.1080, -7.6760

Conversions

Conversions Part 2

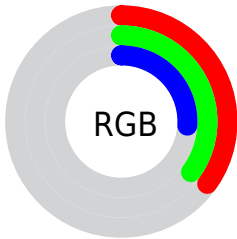
Format	Color
R_{YB}	66, 90, 67
Decimal	5855810
CIE Lab	37.53, -4.91, 13.77
CIE LCh	38, 14.618, 109.611
Yxy	9.8295, 0.3479, 0.3904
Android (android.graphics.Color)	4284045890 (0xFF595A42)
YUV	86.9650, -10.3357, 1.7847
Hunter-Lab	31.3520, -4.9957, 9.4808

Details

The YIQ color **86.9650, 7.1080, -7.6760** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **69.0350, -7.1080, 7.6760**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.7370, 7.7500, -8.2980**, and **41.8940, 5.8700, -7.2660** is the 20% darker color. If you saturate the color by 10%, you get **85.9390, 9.9970, -10.4750**, and if you desaturate by 10%, it is **87.9910, 4.2190, -4.8770**.

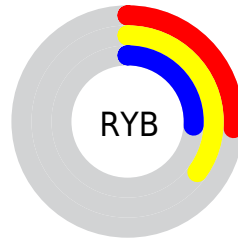
Distribution



Red (35%)

Green (35%)

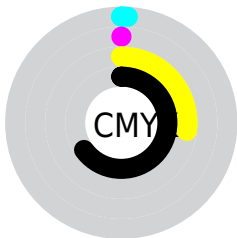
Blue (26%)



Red (26%)

Yellow (35%)

Blue (26%)

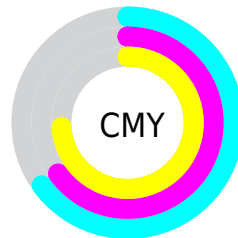


Cyan (1%)

Magenta (0%)

Yellow (27%)

Black (65%)



Cyan (65%)

Magenta (65%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.9650, 7.1080, -7.6760 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 86.9650, 7.1080, -7.6760 by changing the saturation by 10% instead.

■ 86.9650, 7.1080,
-7.6760

■ 86.9650, 7.1080,
-7.6760

■ 255.0000, -0.0000,
-0.0000

■ 63.7800, 6.1910,
-7.5770

■ 136.7370, 7.7500,
-8.2980

■ 41.8940, 5.8700,
-7.2660

■ 163.0360, 8.3460,
-8.0860

■ 21.2640, 7.7040,
-7.4640

■ 189.9220, 8.6670,
-8.3970

■ 0.0000, 0.0000,
0.0000

■ 217.8080, 8.9880,
-8.7080

■ 246.6940, 9.3090,
-9.0190

■ 254.4300, 1.6050,

-1.5550

■ 86.9650, 7.1080,
-7.6760

■ 86.9650, 7.1080,
-7.6760

■ 85.9390, 9.9970,
-10.4750

■ 87.9910, 4.2190,
-4.8770

■ 84.6140, 12.2900,
-13.4860

■ 89.3160, 1.9260,
-1.8660

■ 83.5880, 15.1790,
-16.2850

■ 90.3420, -0.9630,
0.9330

■ 82.2630, 17.4720,
-19.2960

■ 91.6670, -3.2560,
3.9440

■ 81.2370, 20.3610,
-22.0950

■ 92.6930, -6.1450,
6.7430

■ 80.2110, 23.2500,
-24.8940

■ 93.7190, -9.0340,
9.5420

■ 78.8860, 25.5430,
-27.9050

■ 95.0440, -11.3270,
12.5530

■ 78.5440, 26.5060,
-28.8380

■ 96.0700, -14.2160,
15.3520

■ 97.0960, -17.1050,
18.1510

Harmonies

Analogous

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



88.0910, 15.6810, -3.3510



86.9650, 7.1080, -7.6760



85.6370, -3.7120, -9.8240

Triad

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



86.9650, 7.1080, -7.6760



84.3050, -25.9040, -4.1120



90.1530, 13.1110, 10.1910

Complementary

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



86.9650, 7.1080, -7.6760



69.0350, -7.1080, 7.6760

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.



90.1780, 2.7950, 9.9230



86.9650, 7.1080, -7.6760



86.7020, -19.5320, 1.5560

Square

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



86.9650, 7.1080, -7.6760



83.1540, -24.1610, -8.1690



89.0240, -8.5750, 6.7290



89.9810, 19.3470, 7.3070

Rectangle

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



86.9650, 7.1080, -7.6760



84.3310, -11.5980, -10.0780



89.0240, -8.5750, 6.7290



90.5980, 10.3600, 10.4880

Sweetspot

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



86.9650, 7.1080, -7.6760



115.9740, 2.8890, -2.7990



73.7630, 14.0290, 4.5650



58.0170, 1.3300, -2.0780



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



86.9650, 7.1080, -7.6760



112.4830, 11.2810, -11.7190



83.3770, -0.0440, -10.2200



45.4300, 1.6050, -1.5550



95.9650, 32.3300, -35.2700



206.9920, 70.1170, -75.8270

Inverse Universe

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



69.0350, -7.1080, 7.6760



84.5170, -11.2810, 11.7190



72.6230, 0.0440, 10.2200



41.8690, -1.0090, 1.7670



14.0350, -32.3300, 35.2700



30.0080, -70.1170, 75.8270

Previews

White Background



This preview shows how the YIQ color 86.9650, 7.1080, -7.6760 looks on a white background.

Color Contrast Check

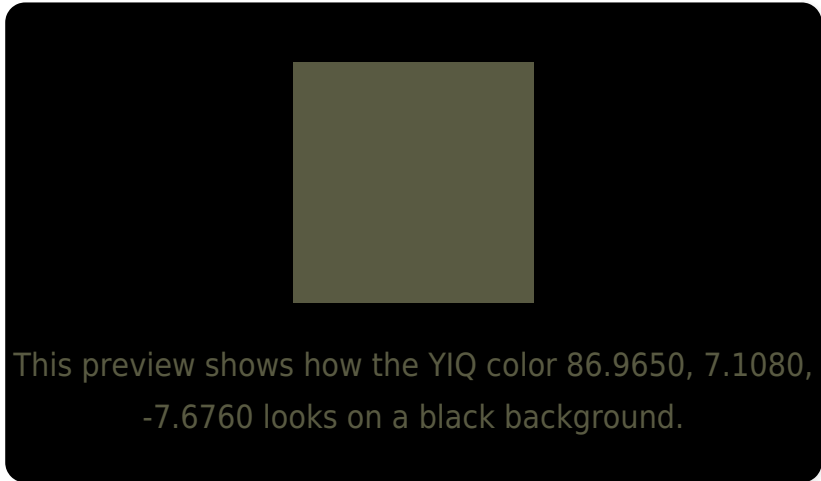
Large Text (above 18pt) WCAG AA ✓ Pass

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

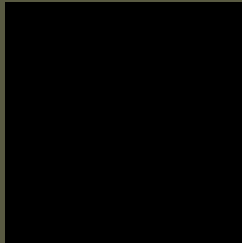
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

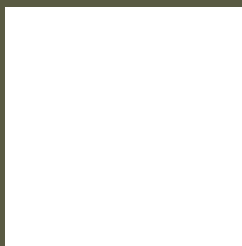
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 86.9650, 7.1080, -7.6760

Background



This preview shows how black text looks on a background with the YIQ color 86.9650, 7.1080, -7.6760.



This preview shows how white text looks on a background with the YIQ color 86.9650, 7.1080,

-7.6760.

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

86.9650, 7.1080, -7.6760

Protanopia

87.4710, 11.5550, -5.6690

Deuteranopia

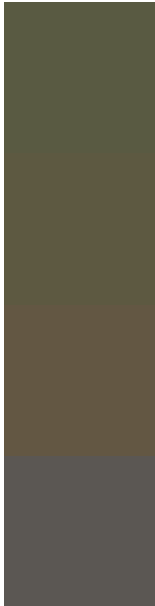
88.6290, 17.1020, -1.5700



Tritanopia

88.5920, 1.3290, 3.4490

Trichromacy



Original Color

86.9650, 7.1080, -7.6760

Protanomaly

87.4600, 10.0880, -6.6160

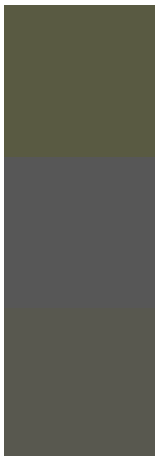
Deuteranomaly

88.3080, 13.5720, -3.6760

Tritanomaly

87.7400, 3.6680, -0.3960

Monochromacy



Original Color

86.9650, 7.1080, -7.6760

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.9740, 2.8890, -2.7990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.9650, 7.1080, -7.6760 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(89, 90, 66)` looks like.

```
.text, #text, p{  
    color:rgb(89, 90, 66)  
}
```

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(89, 90, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 90, 66) }
```

Border

The CSS property to change the border of an element to YIQ 86.9650, 7.1080, -7.6760 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(89, 90, 66) }
```


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

```
.border{ border-color:rgb(89, 90, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 90, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 90, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 90, 66);  
box-shadow:4px 4px 4px 4px rgb(89, 90, 66)  
}
```

Background

The CSS property to change the background color of an element to YIQ 86.9650, 7.1080, -7.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 90, 66) }
```

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

```
.background{ background-color: rgb(89, 90,  
66) }
```

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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