

Converting Colors

YIQ(84.9730, 12.6570, -14.6310)

Have a look what the booklet for
YIQ(84.9730, 12.6570, -14.6310)
contains.

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Color

**YIQ(84.9730, 12.6570,
-14.6310)**

Conversions

Conversions Part 1

Format	Color
Hex	585B2E
RGB	88, 91, 46
RGB Percent	35%, 36%, 18%
CMY	0.6549, 0.6431, 0.8195
CMYK	0.03, 0.00, 0.49, 0.64
HSL	64°, 33%, 27%
HSV	64°, 49%, 36%
XYZ	8.2584, 9.7541, 4.0345
YIQ	84.9730, 12.6570, -14.6310

Conversions

Conversions Part 2

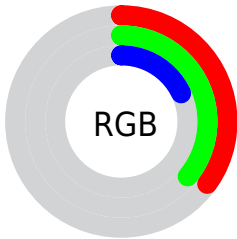
Format	Color
RYB	46, 91, 49
Decimal	5790510
CIELab	37.40, -8.70, 25.39
CIELCh	37, 26.839, 108.924
Yxy	9.7541, 0.3746, 0.4424
Android (android.graphics.Color)	4283980590 (0xFF585B2E)
YUV	84.9730, -19.2137, 2.6547
Hunter-Lab	31.2315, -7.4552, 14.2030

Details

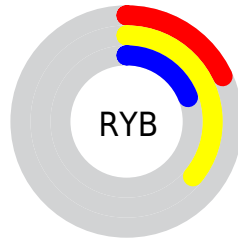
The YIQ color **84.9730, 12.6570, -14.6310** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **52.0270, -12.6570, 14.6310**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.9300, 14.2160, -15.3520**, and **38.9730, 12.6570, -14.6310** is the 20% darker color. If you saturate the color by 10%, you get **83.6480, 14.9500, -17.6420**, and if you desaturate by 10%, it is **86.2980, 10.3640, -11.6200**.

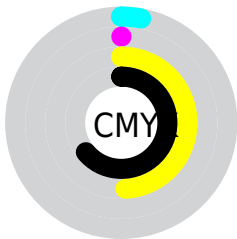
Distribution



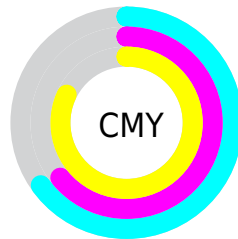
- Red (35%)
- Green (36%)
- Blue (18%)



- Red (18%)
- Yellow (36%)
- Blue (19%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (64%)



- Cyan (65%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.9730, 12.6570, -14.6310 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 84.9730, 12.6570, -14.6310 by changing the saturation by 10% instead.

■ 84.9730, 12.6570,
-14.6310

■ 84.9730, 12.6570,
-14.6310

■ 255.0000, -0.0000,
-0.0000

■ 61.7880, 11.7400,
-14.5320

■ 134.9300, 14.2160,
-15.3520

■ 38.9730, 12.6570,
-14.6310

■ 161.1150, 15.1330,
-15.4510

■ 19.7580, 3.2570,
-9.4710

■ 188.5880, 15.1790,
-16.2850

■ 0.0000, 0.0000,
0.0000

■ 215.8870, 15.7750,
-16.0730

■ 244.6590, 16.4170,
-16.6950

■ 251.6940, 9.3090,

-9.0190

■ 84.9730, 12.6570,
-14.6310

■ 84.9730, 12.6570,
-14.6310

■ 83.6480, 14.9500,
-17.6420

■ 86.2980, 10.3640,
-11.6200

■ 82.6220, 17.8390,
-20.4410

■ 87.3240, 7.4750,
-8.8210

■ 81.2970, 20.1320,
-23.4520

■ 88.6490, 5.1820,
-5.8100

■ 80.2710, 23.0210,
-26.2510

■ 89.6750, 2.2930,
-3.0110

■ 78.9460, 25.3140,
-29.2620

■ 91.1140, -0.3210,
0.3110

■ 78.8320, 25.6350,
-29.5730

■ 92.4390, -2.6140,
3.3220

■ 93.4650, -5.5030,
6.1210

■ 94.7900, -7.7960,
9.1320

■ 95.8160, -10.6850,
11.9310

Harmonies

Analogous

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



87.0290, 27.4190, -6.8290



84.9730, 12.6570, -14.6310



81.9150, -7.7910, -18.5030

Triad

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



84.9730, 12.6570, -14.6310



70.6190, -65.1950, -13.4110



90.1100, 23.8380, 19.5340

Complementary

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



84.9730, 12.6570, -14.6310



52.0270, -12.6570, 14.6310

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.



90.5300, 5.0400, 18.8000



84.9730, 12.6570, -14.6310



80.4740, -45.2530, -0.3650

Square

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



84.9730, 12.6570, -14.6310



69.6270, -59.6460, -20.3660



87.9230, -18.2960, 12.2000



89.0970, 33.8800, 13.7520

Rectangle

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



84.9730, 12.6570, -14.6310



78.8900, -23.8380, -19.5340



87.9230, -18.2960, 12.2000



90.5870, 18.0610, 19.6050

Sweetspot

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



84.9730, 12.6570, -14.6310



114.7630, 4.8610, -5.4990



61.2160, 25.9950, 7.9710



57.4470, 2.9350, -3.6330



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.



84.9730, 12.6570, -14.6310



107.9380, 19.7650, -22.3070



78.3950, -0.4550, -19.2950



45.4300, 1.6050, -1.5550



95.0680, 30.5420, -35.9060



205.1980, 66.5410, -77.0990

Inverse Universe

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



52.0270, -12.6570, 14.6310



57.3610, -19.1690, 22.5190



58.9040, 1.0510, 19.5070



41.8690, -1.0090, 1.7670



14.6330, -31.1380, 35.6940



31.8020, -66.5410, 77.0990

Previews

White Background



This preview shows how the YIQ color 84.9730, 12.6570, -14.6310 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 84.9730, 12.6570, -14.6310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

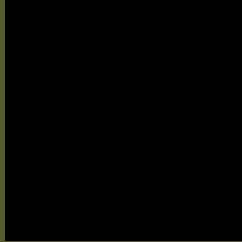
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.9730, 12.6570, -14.6310

Background



This preview shows how black text looks on a background with the YIQ color 84.9730, 12.6570, -14.6310.



This preview shows how white text looks on a background with the YIQ color 84.9730, 12.6570,

-14.6310.

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

84.9730, 12.6570, -14.6310

Protanopia

85.7890, 19.1670, -11.4650

Deuteranopia

87.0720, 25.8600, -6.1080



Tritanopia

88.8910, 1.9250, 3.6610

Trichromacy



Original Color

84.9730, 12.6570, -14.6310

Protanomaly

85.4790, 17.1040, -12.6240

Deuteranomaly

86.6260, 21.1840, -9.4720

Tritanomaly

87.5290, 5.6400, -3.0960

Monochromacy



Original Color

84.9730, 12.6570, -14.6310

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.8770, 4.5400, -5.1880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.9730, 12.6570, -14.6310 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(88, 91, 46)` looks like.

```
.text, #text, p{  
    color:rgb(88, 91, 46)  
}
```

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(88, 91, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 91, 46) }
```

Border

The CSS property to change the border of an element to YIQ 84.9730, 12.6570, -14.6310 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(88, 91, 46) }
```


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

```
.border{ border-color:rgb(88, 91, 46) }
```

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

Here you see how a box with a 4 pixel rgb(88, 91, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 91, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 91, 46);  
box-shadow:4px 4px 4px 4px rgb(88, 91, 46)  
}
```

Background

The CSS property to change the background color of an element to YIQ 84.9730, 12.6570, -14.6310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 91, 46) }
```

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

```
.background{ background-color: rgb(88, 91,  
46) }
```

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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