

# Converting Colors

YIQ(84.2290, 14.8120, -15.1400)

Have a look what the booklet for  
YIQ(84.2290, 14.8120, -15.1400)  
contains.

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# Color

**YIQ(84.2290, 14.8120,  
-15.1400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	595A2A
RGB	89, 90, 42
RGB Percent	35%, 35%, 16%
CMY	0.6510, 0.6470, 0.8352
CMYK	0.01, 0.00, 0.53, 0.65
HSL	61°, 36%, 26%
HSV	61°, 53%, 35%
XYZ	8.1936, 9.6032, 3.6145
YIQ	84.2290, 14.8120, -15.1400

# Conversions

## Conversions Part 2

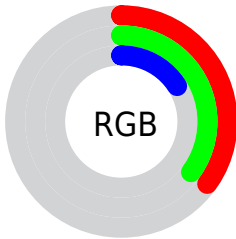
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 90, 43
Decimal	5855786
CIE Lab	37.12, -8.09, 27.31
CIE LCh	37, 28.483, 106.505
Yxy	9.6032, 0.3827, 0.4485
Android (android.graphics.Color)	4284045866 (0xFF595A2A)
YUV	84.2290, -20.8189, 4.1842
Hunter-Lab	30.9890, -7.0347, 14.7767




# Details

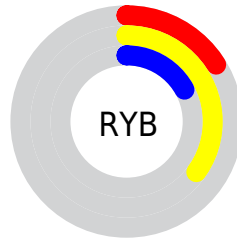
The YIQ color **84.2290, 14.8120, -15.1400** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **47.7710, -14.8120, 15.1400**, and the grayscale version is **84.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **134.1860, 16.3710, -15.8610**, and **38.9730, 12.6570, -14.6310** is the 20% darker color. If you saturate the color by 10%, you get **83.2030, 17.7010, -17.9390**, and if you desaturate by 10%, it is **85.2550, 11.9230, -12.3410**.

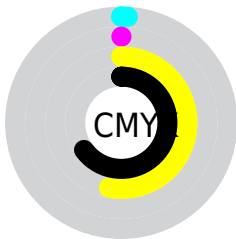
# Distribution







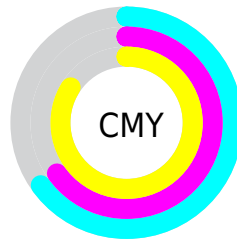
-  Red (35%)
-  Green (35%)
-  Blue (16%)






-  Red (16%)
-  Yellow (35%)
-  Blue (17%)



-  Cyan (1%)
-  Magenta (0%)
-  Yellow (53%)
-  Black (65%)



-  Cyan (65%)
-  Magenta (65%)
-  Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.2290, 14.8120, -15.1400 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 84.2290, 14.8120, -15.1400 by changing the saturation by 10% instead.



■ 84.2290, 14.8120,  
-15.1400

■ 84.2290, 14.8120,  
-15.1400

■ 255.0000, -0.0000,  
-0.0000

■ 61.0440, 13.8950,  
-15.0410

■ 134.1860, 16.3710,  
-15.8610

■ 38.9730, 12.6570,  
-14.6310

■ 160.3710, 17.2880,  
-15.9600

■ 19.7580, 3.2570,  
-9.4710

■ 187.5560, 18.2050,  
-16.0590

■ 0.0000, 0.0000,  
0.0000

■ 215.3280, 18.8470,  
-16.6810

■ 244.1000, 19.4890,  
-17.3030

■ 251.2380, 10.5930,

-10.2630

254.4300, 1.6050,  
-1.5550

■ 84.2290, 14.8120,  
-15.1400

■ 84.2290, 14.8120,  
-15.1400

■ 83.2030, 17.7010,  
-17.9390

■ 85.2550, 11.9230,  
-12.3410

■ 82.1770, 20.5900,  
-20.7380

■ 86.2810, 9.0340,  
-9.5420

■ 80.8520, 22.8830,  
-23.7490

■ 87.6060, 6.7410,  
-6.5310

■ 79.8260, 25.7720,  
-26.5480

■ 88.6320, 3.8520,  
-3.7320

■ 79.1420, 27.6980,  
-28.4140

■ 89.6580, 0.9630,  
-0.9330

■ 90.6840, -1.9260,  
1.8660

■ 91.7100, -4.8150,  
4.6650

■ 93.0350, -7.1080,  
7.6760

■ 94.0610, -9.9970,  
10.4750

# Harmonies

## Analogous

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



85.8120, 29.5280, -6.5040



84.2290, 14.8120, -15.1400



80.8720, -6.2320, -19.2240

# Triad

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



84.2290, 14.8120, -15.1400



70.6190, -65.1950, -13.4110



89.7510, 23.4710, 20.6790

# Complementary

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



84.2290, 14.8120, -15.1400



47.7710, -14.8120, 15.1400

# 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.



90.1600, 3.2060, 18.9980



84.2290, 14.8120, -15.1400



76.2170, -54.8350, -2.9230

# Square

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



84.2290, 14.8120, -15.1400



69.5130, -59.3250, -20.6770



86.6560, -21.9180, 11.7620



88.2220, 35.0260, 15.0100



# Rectangle

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



84.2290, 14.8120, -15.1400



77.8360, -23.7460, -21.2020



86.6560, -21.9180, 11.7620



90.2280, 17.6940, 20.7500

# Sweetspot

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



84.2290, 14.8120, -15.1400



114.9480, 5.7780, -5.5980



56.9390, 28.3330, 9.6530



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.



84.2290, 14.8120, -15.1400



108.1510, 23.4790, -23.5370



77.0530, 0.5080, -20.2280



45.4300, 1.6050, -1.5550



96.5630, 33.5220, -34.8460



208.4870, 73.0970, -74.7670



# Inverse Universe

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



47.7710, -14.8120, 15.1400



51.1480, -22.8830, 23.7490



54.9470, -0.5080, 20.2280



41.5700, -1.6050, 1.5550



13.1380, -34.1180, 34.6340



28.5130, -73.0970, 74.7670



# Previews

## White Background



This preview shows how the YIQ color 84.2290, 14.8120, -15.1400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

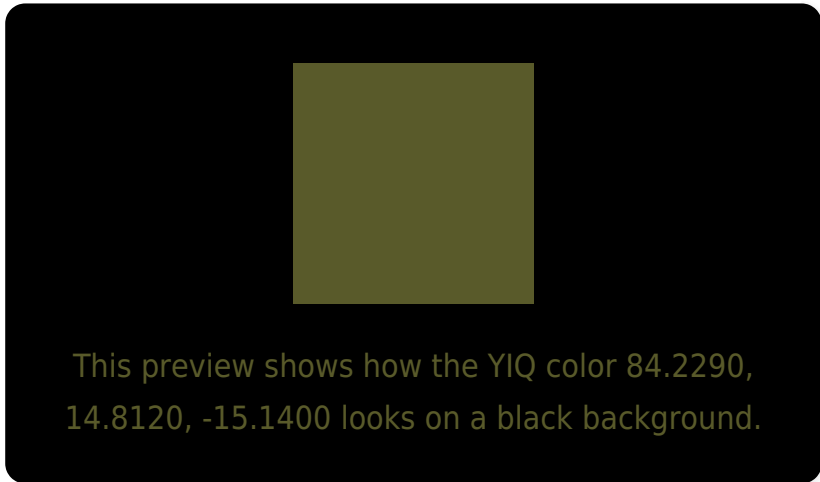
Any Text WCAG AA ✓ Pass

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

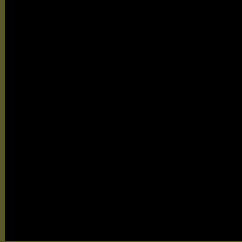
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 84.2290, 14.8120, -15.1400

## Background



This preview shows how black text looks on a background with the YIQ color 84.2290, 14.8120, -15.1400.



This preview shows how white text looks on a background with the YIQ color 84.2290, 14.8120, -15.1400.

-15.1400.

# 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

84.2290, 14.8120, -15.1400

### Protanopia

84.7460, 20.7260, -12.1860

### Deuteranopia

85.7300, 26.8230, -7.0410



## Tritanopia

88.3750, 3.4380, 3.7740

# Trichromacy



## Original Color

84.2290, 14.8120, -15.1400

## Protanomaly

84.4360, 18.6630, -13.3450

## Deuteranomaly

85.2840, 22.1470, -10.4050

## Tritanomaly

86.8990, 7.4740, -3.2940

# Monochromacy



## Original Color

84.2290, 14.8120, -15.1400

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

84.0620, 5.4570, -5.2870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.2290, 14.8120, -15.1400 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(89, 90, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 90, 42) }
```

## Border

The CSS property to change the border of an element to YIQ 84.2290, 14.8120, -15.1400 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, 42) }
```



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

```
.border{ border-color:rgb(89, 90, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 90, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 90, 42);  
box-shadow:4px 4px 4px 4px rgb(89, 90, 42)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 84.2290, 14.8120, -15.1400 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, 42) }
```

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

```
.background{ background-color: rgb(89, 90,  
42) }
```

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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