

# Converting Colors

YIQ(175.6620, 37.5570,  
-36.3870)

Have a look what the booklet for  
YIQ(175.6620, 37.5570, -36.3870)  
contains.

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# Color

**YIQ(175.6620, 37.5570,  
-36.3870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDBD48
RGB	189, 189, 72
RGB Percent	74%, 74%, 28%
CMY	0.2589, 0.2588, 0.7174
CMYK	0.00, 0.00, 0.62, 0.26
HSL	60°, 47%, 51%
HSV	60°, 62%, 74%
XYZ	40.3509, 47.6802, 13.2178
YIQ	175.6620, 37.5570, -36.3870

# Conversions

## Conversions Part 2

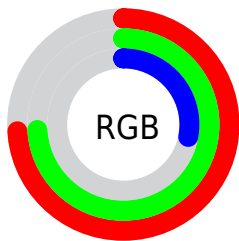
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 189, 72
Decimal	12434760
CIELab	74.62, -14.83, 57.22
CIELCh	75, 59.107, 104.529
Yxy	47.6802, 0.3985, 0.4709
Android (android.graphics.Color)	4290624840 (0xFFBDBD48)
YUV	175.6620, -51.1054, 11.6974
Hunter-Lab	69.0508, -16.5298, 36.9862

# Details

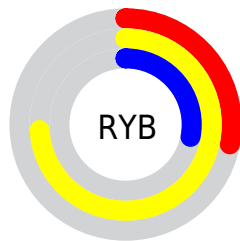
The YIQ color  $175.6620, 37.5570, -36.3870$  is a dark color, and the websafe version is hex `CCCC66`. A complement of this color would be  $85.3380, -37.5570, 36.3870$ , and the grayscale version is  $176.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $232.3310, 39.9870, -36.3730$ , and  $120.7390, 38.6580, -39.8220$  is the 20% darker color. If you saturate the color by 10%, you get  $173.4960, 43.6560, -42.2960$ , and if you desaturate by 10%, it is  $177.8280, 31.4580, -30.4780$ .

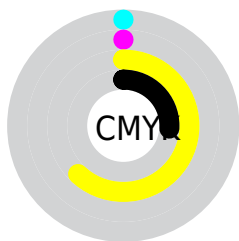
# Distribution



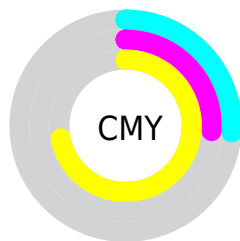
- Red (74%)
- Green (74%)
- Blue (28%)



- Red (28%)
- Yellow (74%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (62%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 175.6620, 37.5570, -36.3870 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 175.6620, 37.5570, -36.3870 by changing the saturation by 10% instead.



■ 175.6620, 37.5570,  
-36.3870

■ 175.6620, 37.5570,  
-36.3870

■ 255.0000, -0.0000,  
-0.0000

■ 148.3630, 36.9610,  
-36.5990

■ 232.3310, 39.9870,  
-36.3730

■ 120.7390, 38.6580,  
-39.8220

■ 243.3720, 32.7420,  
-31.7220

■ 96.5520, 32.0550,  
-35.7930

■ 246.5640, 23.7540,  
-23.0140

■ 74.1030, 23.4340,  
-28.2300

■ 249.7560, 14.7660,  
-14.3060

■ 52.8280, 14.2630,  
-21.7130

■ 253.0620, 5.4570,  
-5.2870

■ 32.4390, 5.4130,  
-15.5070

■ 13.5010, -6.3250,

-12.0290

■ 0.0000, 0.0000,  
0.0000

■ 175.6620, 37.5570,  
-36.3870

■ 175.6620, 37.5570,  
-36.3870

■ 173.4960, 43.6560,  
-42.2960

■ 177.8280, 31.4580,  
-30.4780

■ 171.3300, 49.7550,  
-48.2050

■ 179.9940, 25.3590,  
-24.5690

■ 169.1640, 55.8540,  
-54.1140

■ 182.1600, 19.2600,  
-18.6600

■ 167.4540, 60.6690,  
-58.7790

■ 184.3260, 13.1610,  
-12.7510

■ 186.4920, 7.0620,  
-6.8420

■ 188.5440, 1.2840,  
-1.2440

■ 190.7100, -4.8150,  
4.6650

■ 192.8760,  
-10.9140, 10.5740

■ 195.0420,  
-17.0130, 16.4830

# Harmonies

## Analogous

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



180.2030, 70.4270, -15.3410



175.6620, 37.5570, -36.3870



168.5880, -12.3250, -46.4770

# Triad

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



175.6620, 37.5570, -36.3870



150.5790, -138.7800, -28.9560



182.8210, 44.7860, 47.3940

# Complementary

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



175.6620, 37.5570, -36.3870



85.3380, -37.5570, 36.3870

# 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.



187.8950, 6.4110, 43.5230



175.6620, 37.5570, -36.3870



144.7090, -136.0300, -23.7260

# Square

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



175.6620, 37.5570, -36.3870



147.6830, -125.1140, -45.3540



175.6930, -49.7030, 14.2090



174.7900, 63.2660, 31.8580



# Rectangle

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



175.6620, 37.5570, -36.3870



157.5300, -59.1360, -51.6480



175.6930, -49.7030, 14.2090



187.6940, 37.9540, 50.0660

# Sweetspot

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



175.6620, 37.5570, -36.3870



239.6420, 15.0870, -14.6170



106.9830, 69.7320, 24.8040



118.8080, 8.9880, -8.7080



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



175.6620, 37.5570, -36.3870



224.3660, 58.1010, -56.2910



158.3200, 2.9890, -48.6830



92.9740, 2.8890, -2.7990



139.9880, 50.7180, -49.1380



27.4660, 9.9510, -9.6410



# Inverse Universe

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



85.3380, -37.5570, 36.3870



84.6340, -58.1010, 56.2910



102.9790, -2.3930, 48.8950



86.0260, -2.8890, 2.7990



18.0120, -50.7180, 49.1380



3.5340, -9.9510, 9.6410



# Previews

## White Background



This preview shows how the YIQ color 175.6620, 37.5570, -36.3870 looks on a white 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



# Black Background



This preview shows how the YIQ color 175.6620, 37.5570, -36.3870 looks on a black 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

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

# YIQ 175.6620, 37.5570, -36.3870

## Background



This preview shows how black text looks on a background with the YIQ color 175.6620, 37.5570, -36.3870.



This preview shows how white text looks on a background with the YIQ color 175.6620, 37.5570,

-36.3870.

# 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

175.6620, 37.5570, -36.3870

### Protanopia

177.3970, 48.7890, -30.6910

### Deuteranopia

179.0880, 63.3210, -18.7190



## Tritanopia

185.4730, 9.2140, 9.2300

# Trichromacy



## Original Color

175.6620, 37.5570, -36.3870

## Protanomaly

176.7770, 44.6630, -33.0090

## Deuteranomaly

177.6090, 54.2440, -24.9240

## Tritanomaly

181.7230, 19.5330, -7.0830

# Monochromacy



## Original Color

175.6620, 37.5570, -36.3870

## Achromatopsia

176.0000, -0.0000, -0.0000

## Achromatomaly

176.0980, 13.8030, -13.3730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 175.6620, 37.5570, -36.3870 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(189, 189, 72)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 72)  
}
```

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(189, 189, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 175.6620, 37.5570, -36.3870 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(189, 189, 72) }
```



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

```
.border{ border-color:rgb(189, 189, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 72);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
72) }
```

# Background

The CSS property to change the background color of an element to YIQ 175.6620, 37.5570, -36.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 72) }
```

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

```
.background{ background-color: rgb(189,  
189, 72) }
```

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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