

Converting Colors

YIQ(157.8600, 37.6000,
-20.6400)

Have a look what the booklet for
YIQ(157.8600, 37.6000, -20.6400)
contains.

YIQ(157.8600, 37.6000, -20.6400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(157.8600, 37.6000,
-20.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A151
RGB	181, 161, 81
RGB Percent	71%, 63%, 32%
CMY	0.2902, 0.3686, 0.6821
CMYK	0.00, 0.11, 0.55, 0.29
HSL	48°, 40%, 51%
HSV	48°, 55%, 71%
XYZ	33.2865, 35.9053, 12.9712
YIQ	157.8600, 37.6000, -20.6400

Conversions

Conversions Part 2

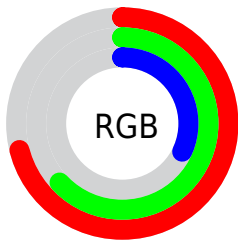
Format	Color
RYB	106, 181, 81
Decimal	11903313
CIELab	66.45, -2.94, 43.74
CIELCh	66, 43.840, 93.847
Yxy	35.9053, 0.4051, 0.4370
Android (android.graphics.Color)	4290093393 (0xFFB5A151)
YUV	157.8600, -37.8920, 20.2938
Hunter-Lab	59.9210, -5.7039, 29.1101

Details

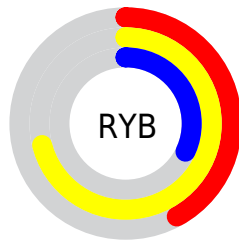
The YIQ color **157.8600, 37.6000, -20.6400** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **104.1400, -37.6000, 20.6400**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.4150, 40.3510, -20.9370**, and **105.7780, 34.8950, -21.1770** is the 20% darker color. If you saturate the color by 10%, you get **153.4600, 44.4780, -24.1460**, and if you desaturate by 10%, it is **162.2600, 30.7220, -17.1340**.

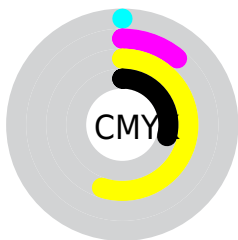
Distribution



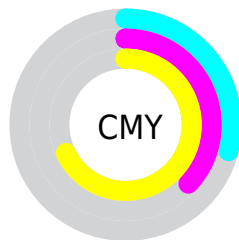
- Red (71%)
- Green (63%)
- Blue (32%)



- Red (42%)
- Yellow (71%)
- Blue (32%)



- Cyan (0%)
- Magenta (11%)
- Yellow (55%)
- Black (29%)



- Cyan (29%)
- Magenta (37%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 157.8600, 37.6000, -20.6400 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 157.8600, 37.6000, -20.6400 by changing the saturation by 10% instead.

■ 157.8600, 37.6000,
-20.6400

■ 157.8600, 37.6000,
-20.6400

■ 255.0000, -0.0000,
-0.0000

■ 131.3760, 36.0870,
-20.7530

■ 213.4150, 40.3510,
-20.9370

■ 105.7780, 34.8950,
-21.1770

■ 237.5990, 33.8410,
-24.1030

■ 80.3110, 34.7120,
-23.3680

■ 247.2480, 21.8280,
-21.1480

■ 59.1070, 26.7790,
-17.2610

■ 250.4400, 12.8400,
-12.4400

■ 38.4190, 17.3330,
-11.2670

■ 253.7460, 3.5310,
-3.4210

■ 19.2040, 7.9330,
-6.1070

■ 0.0000, 0.0000,

0.0000

■ 157.8600, 37.6000,
-20.6400

■ 157.8600, 37.6000,
-20.6400

■ 153.4600, 44.4780,
-24.1460

■ 162.2600, 30.7220,
-17.1340

■ 149.6470, 51.0810,
-28.1750

■ 166.0730, 24.1190,
-13.1050

■ 145.2470, 57.9590,
-31.6810

■ 170.4730, 17.2410,
-9.5990

■ 141.4340, 64.5620,
-35.7100

■ 174.2860, 10.6380,
-5.5700

■ 139.2340, 68.0010,
-37.4630

■ 178.8000, 3.4390,
-1.7530

■ 183.2000, -3.4390,
1.7530

■ 187.0130,
-10.0420, 5.7820

■ 191.4130,
-16.9200, 9.2880

■ 195.8130,
-23.7980, 12.7940

Harmonies

Analogous

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



160.6490, 57.9080, -3.2120



157.8600, 37.6000, -20.6400



153.5400, 5.9660, -31.0420

Triad

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



157.8600, 37.6000, -20.6400



129.5030, -115.2590, -31.2190



165.9880, 27.7780, 36.2420

Complementary

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



157.8600, 37.6000, -20.6400



104.1400, -37.6000, 20.6400

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.



164.7690, -11.3300, 29.1340



157.8600, 37.6000, -20.6400



129.0590, -122.2760, -19.6840

Square

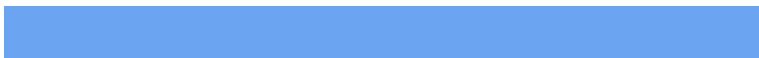
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



157.8600, 37.6000, -20.6400



125.7580, -103.3360, -43.5600



155.6210, -58.3680, 11.5520



164.0000, 53.8670, 31.4910

Rectangle

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



157.8600, 37.6000, -20.6400



149.1870, -20.9010, -34.2210



155.6210, -58.3680, 11.5520



166.7030, 15.3990, 34.8150

Sweetspot

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



157.8600, 37.6000, -20.6400



225.7440, 15.0400, -8.2560



113.4080, 52.5380, 28.0420



112.0300, 8.4830, -5.0610



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

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



157.8600, 37.6000, -20.6400



199.1330, 58.2800, -31.9920



161.2280, 15.4120, -37.0360



86.8000, 3.4390, -1.7530



117.3610, 57.6380, -31.3700



19.5140, 9.9960, -4.9480

Inverse Universe

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



104.1400, -37.6000, 20.6400



115.8670, -58.2800, 31.9920



100.7720, -15.4120, 37.0360



82.2000, -3.4390, 1.7530



35.6390, -57.6380, 31.3700



5.8990, -9.7210, 5.4710

Previews

White Background



This preview shows how the YIQ color 157.8600, 37.6000, -20.6400 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 157.8600, 37.6000, -20.6400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

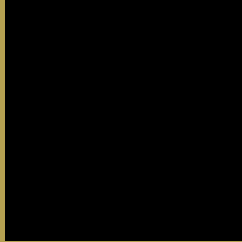
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 157.8600, 37.6000, -20.6400

Background



This preview shows how black text looks on a background with the YIQ color 157.8600, 37.6000, -20.6400.



This preview shows how white text looks on a background with the YIQ color 157.8600, 37.6000, -20.6400.

-20.6400.

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

157.8600, 37.6000, -20.6400

Protanopia

157.8490, 36.1330, -21.5870

Deuteranopia

159.3610, 49.6110, -12.5410



Tritanopia

164.4310, 18.2000, 11.5760

Trichromacy



Original Color

157.8600, 37.6000, -20.6400

Protanomaly

158.1480, 36.7290, -21.3750

Deuteranomaly

158.9150, 44.9350, -15.9050

Tritanomaly

161.8750, 25.2170, 0.0410

Monochromacy



Original Color

157.8600, 37.6000, -20.6400

Achromatopsia

158.0000, -0.0000, 0.0000

Achromatomaly

157.7870, 13.4810, -7.5350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 157.8600, 37.6000, -20.6400 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(181, 161, 81)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 81)  
}
```

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(181, 161, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 81) }
```

Border

The CSS property to change the border of an element to YIQ 157.8600, 37.6000, -20.6400 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(181, 161, 81) }
```


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

```
.border{ border-color:rgb(181, 161, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 161, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 161, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 161, 81);  
box-shadow:4px 4px 4px 4px rgb(181, 161,  
81) }
```

Background

The CSS property to change the background color of an element to YIQ 157.8600, 37.6000, -20.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 81) }
```

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

```
.background{ background-color: rgb(181,  
161, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor