

Converting Colors

YIQ(159.3520, 3.3860, 37.7700)

Have a look what the booklet for
YIQ(159.3520, 3.3860, 37.7700)
contains.

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Color

**YIQ(159.3520, 3.3860,
37.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	BA86DC
RGB	186, 134, 220
RGB Percent	73%, 53%, 86%
CMY	0.2704, 0.4746, 0.1373
CMYK	0.15, 0.39, 0.00, 0.14
HSL	276°, 55%, 69%
HSV	276°, 39%, 86%
XYZ	41.6993, 32.6556, 71.8061
YIQ	159.3520, 3.3860, 37.7700

Conversions

Conversions Part 2

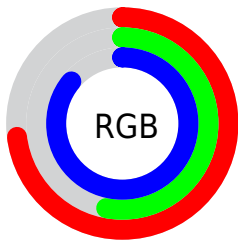
Format	Color
R_{YB}	186, 134, 220
Decimal	12224220
CIE _{Lab}	63.88, 35.61, -36.36
CIE _{LCh}	64, 50.895, 314.405
Yxy	32.6556, 0.2853, 0.2234
Android (android.graphics.Color)	4290414300 (0xFFBA86DC)
YUV	159.3520, 29.8995, 23.3703
Hunter-Lab	57.1451, 30.2492, -34.4998

Details

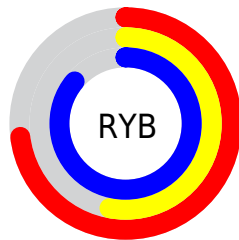
The YIQ color $159.3520, 3.3860, 37.7700$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $194.6480, -3.3860, -37.7700$, and the grayscale version is $159.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $212.0830, 11.2730, 32.4970$, and $106.7000, 2.2860, 35.6780$ is the 20% darker color. If you saturate the color by 10%, you get $143.7470, 4.0720, 47.3680$, and if you desaturate by 10%, it is $174.9570, 2.7000, 28.1720$.

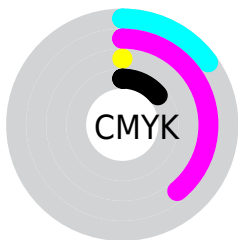
Distribution



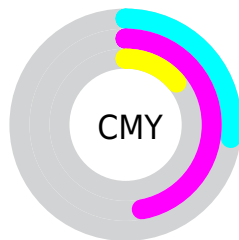
- Red (73%)
- Green (53%)
- Blue (86%)



- Red (73%)
- Yellow (53%)
- Blue (86%)



- Cyan (15%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)




- Cyan (27%)
- Magenta (47%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.3520, 3.3860, 37.7700 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 159.3520, 3.3860, 37.7700 by changing the saturation by 10% instead.


 159.3520, 3.3860,
37.7700


 159.3520, 3.3860,
37.7700

255.0000, -0.0000,
-0.0000


 132.5260, 2.8360,
36.7240

 212.0830, 11.2730,
32.4970

 106.7000, 2.2860,
35.6780


 232.1070, 10.7250,
20.3970

 81.7600, 2.0570,
34.3210

 249.1300, 2.7500,
5.2300

 56.9340, 1.5070,
33.2750

 31.9340, 1.5070,
33.2750

 16.5650, -2.0680,
26.4760

 4.6740, -13.1610,

12.7510

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,
0.0000

■ 159.3520, 3.3860,
37.7700

■ 159.3520, 3.3860,
37.7700

■ 143.7470, 4.0720,
47.3680

■ 174.9570, 2.7000,
28.1720

■ 128.4410, 5.3540,
57.1780

■ 190.2630, 1.4180,
18.3620

■ 112.8360, 6.0400,
66.7760

■ 205.8680, 0.7320,
8.7640

■ 97.2310, 6.7260,
76.3740

■ 221.4730, 0.0460,
-0.8340

■ 81.9250, 8.0080,
86.1840

■ 236.7790, -1.2360,
-10.6440

■ 66.3200, 8.6940,
95.7820

■ 245.9270, 1.1030,
-14.4890

■ 64.8470, 8.6480,
96.6160

■ 248.6180, 6.4670,
-12.5810

■ 251.0100, 11.2350,
-10.8850

Harmonies

Analogous

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



151.6100, -50.6670, 20.6690



159.3520, 3.3860, 37.7700



157.9470, 44.1910, 41.6550

Triad

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



159.3520, 3.3860, 37.7700



152.0370, 59.3310, -12.4850



124.5500, -105.4460, -38.3580

Complementary

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



159.3520, 3.3860, 37.7700



194.6480, -3.3860, -37.7700

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.



121.0080, -83.8490, -49.8090



159.3520, 3.3860, 37.7700



148.2410, 31.7330, -29.9550

Square

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



159.3520, 3.3860, 37.7700



153.6220, 71.7060, 11.0500



142.2990, -9.7130, -38.7450



127.4630, -117.7820, -24.0380

Rectangle

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



159.3520, 3.3860, 37.7700



155.7670, 62.0730, 36.9610



142.2990, -9.7130, -38.7450



122.1390, -100.0350, -42.8110

Sweetspot

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



159.3520, 3.3860, 37.7700



233.2150, 1.3730, 13.6690



163.7620, -36.9560, 8.9640



115.0420, 0.1820, 7.7180



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



159.3520, 3.3860, 37.7700



170.5070, 4.9880, 52.7960



168.4920, 26.5390, 42.1790



102.0480, 0.0450, 4.6930



51.1170, 7.0470, 76.0630



13.6160, 1.9220, 20.2420

Inverse Universe

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



163.5900, 40.3420, 28.8060



176.2380, 56.4330, 40.0570



185.5080, -26.5390, -42.1790



102.7450, 5.2720, 3.5760



59.4790, 81.2800, 57.8240



15.8060, 21.6380, 15.3500

Previews

White Background



This preview shows how the YIQ color 159.3520, 3.3860, 37.7700 looks on a white background.

Color Contrast Check

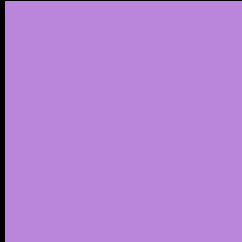
Large Text (above 18pt) WCAG AA × Fail

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 159.3520, 3.3860, 37.7700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

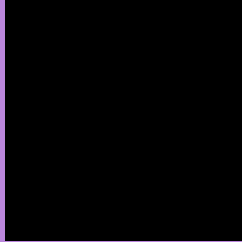
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 159.3520, 3.3860, 37.7700

Background



This preview shows how black text looks on a background with the YIQ color 159.3520, 3.3860, 37.7700.



This preview shows how white text looks on a background with the YIQ color 159.3520, 3.3860,

37.7700.

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

159.3520, 3.3860, 37.7700

Protanopia

153.6880, -42.1390, 20.3010

Deuteranopia

154.5010, -31.5470, 15.5650



Tritanopia

156.9250, 13.7530, 9.5690

Trichromacy



Original Color

159.3520, 3.3860, 37.7700

Protanomaly

155.5870, -25.4970, 27.0710

Deuteranomaly

156.1870, -18.6190, 23.5650

Tritanomaly

157.8080, 10.1290, 20.1850

Monochromacy



Original Color

159.3520, 3.3860, 37.7700

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

159.2150, 1.3730, 13.6690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.3520, 3.3860, 37.7700 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(186, 134, 220)` looks like.

```
.text, #text, p{  
    color:rgb(186, 134, 220)  
}
```

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(186, 134, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 134, 220) }
```

Border

The CSS property to change the border of an element to YIQ 159.3520, 3.3860, 37.7700 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(186, 134, 220) }
```


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

```
.border{ border-color:rgb(186, 134, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 134, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 134, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 134, 220);  
box-shadow:4px 4px 4px 4px rgb(186, 134,  
220) }
```

Background

The CSS property to change the background color of an element to YIQ 159.3520, 3.3860, 37.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 134, 220) }
```

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

```
.background{ background-color: rgb(186,  
134, 220) }
```

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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